

=> FILE REG

FILE 'REGISTRY' ENTERED AT 15:25:16 ON 22 FEB 2002

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STRUCTURE FILE UPDATES: 21 FEB 2002 HIGHEST RN 394646-31-2

DICTIONARY FILE UPDATES: 21 FEB 2002 HIGHEST RN 394646-31-2

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES  
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Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

The P indicator for Preparations was not generated for all of the  
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during this period, either directly appended to a CAS Registry Number  
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As of 1/23/02, the situation has been resolved. Also, note that searches  
conducted using the PREP role indicator were not affected.

Customers running searches and/or SDIs in the H/Z/CA/CAplus files  
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worldwide, or send an e-mail to [help@cas.org](mailto:help@cas.org) for further assistance or to  
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=> DILE HCAPLUS

DILE IS NOT A RECOGNIZED COMMAND

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=> FILE HCAPLUS

FILE 'HCAPLUS' ENTERED AT 15:25:29 ON 22 FEB 2002

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FILE COVERS 1907 - 22 Feb 2002 VOL 136 ISS 9

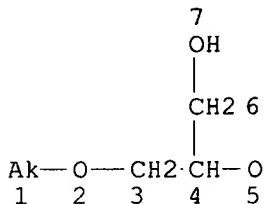
KATHLEEN FULLER EIC 1700/LAW LIBRARY 308-4290

FILE LAST UPDATED: 17 Feb 2002 (20020217/ED)

This file contains CAS Registry Numbers for easy and accurate  
substance identification.

=&gt; D QUE L21

L3 STR



3,007 structures from this query

## NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

ECOUNT IS M8 C AT 1

## GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 7

## STEREO ATTRIBUTES: NONE

L7 3007 SEA FILE=REGISTRY SSS FUL L3  
L8 5367 SEA FILE=HCAPLUS ABB=ON L7  
L9 66 SEA FILE=HCAPLUS ABB=ON L8 AND HAIR  
L10 29 SEA FILE=HCAPLUS ABB=ON L8 AND KERATIN?  
L11 82 SEA FILE=HCAPLUS ABB=ON L9 OR L10  
L12 6 SEA FILE=HCAPLUS ABB=ON L11 AND DYE?  
L17 42 SEA FILE=HCAPLUS ABB=ON L8 (L) (HAIR OR KERATIN?)  
L20 1 SEA FILE=HCAPLUS ABB=ON L17 (L) DYE?  
L21 6 SEA FILE=HCAPLUS ABB=ON L12 OR L20

=&gt; D L21 1-6 ALL HITSTR

6 Co references with  
utility

L21 ANSWER 1 OF 6 HCAPLUS COPYRIGHT 2002 ACS

AN 2000:773877 HCAPLUS

DN 133:339955

TI Hair dye compositions containing fatty acid esters and  
glycerides

IN Seipel, Werner; Kleen, Astrid

PA Cognis Deutschland G.m.b.H., Germany

SO Eur. Pat. Appl., 12 pp.

CODEN: EPXXDW

DT Patent

LA German

IC ICM A61K007-13

CC 62-3 (Essential Oils and Cosmetics)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1048289	A2	20001102	EP 2000-108529	20000419
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	DE 19919089	A1	20001123	DE 1999-19919089	19990427

PRAI DE 1999-19919089 A 19990427

AB A hair dye compn. contains 0.5-25% fatty acid polyglycol ester, 0.5-25% partial glycerides, and 0.1-15% hair dye. Thus, a compn. contained polyoxyethylene laurate Me ether 13.5, Monmuls-90-018 1, HC Yellow 1.0, Lanette-O 5, ammonia 2.0, NH4Cl 0.5, tetrasodium-EDTA 0.5, Dehyquart E-CA 1.0, Texapon N-70 2.5, Na2SO3 1.0, N.N'-bis(4-aminophenyl)piperidine 5.0, resorcinol 5.0, and water to 100%.

ST hair dye fatty acid ester glyceride

IT Alcohols, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(C16-18; hair dye compns. contg. fatty acid esters and glycerides)

IT Surfactants

(amphoteric; hair dye compns. contg. fatty acid esters and glycerides)

IT Surfactants

(anionic; hair dye compns. contg. fatty acid esters and glycerides)

IT Alcohols, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(branched; hair dye compns. contg. fatty acid esters and glycerides)

IT Surfactants

(cationic; hair dye compns. contg. fatty acid esters and glycerides)

IT Hair preparations

(dyes, oxidative; hair dye compns. contg. fatty acid esters and glycerides)

IT Hair preparations

(dyes; hair dye compns. contg. fatty acid esters and glycerides)

IT Fatty acids, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(esters; hair dye compns. contg. fatty acid esters and glycerides)

IT Alcohols, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(fatty; hair dye compns. contg. fatty acid esters and glycerides)

IT Surfactants

(hair dye compns. contg. fatty acid esters and glycerides)

IT Diglycerides

Ethers, biological studies

Glycerides, biological studies

Hydrocarbons, biological studies

Monoglycerides

Naphthenes

Polysiloxanes, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

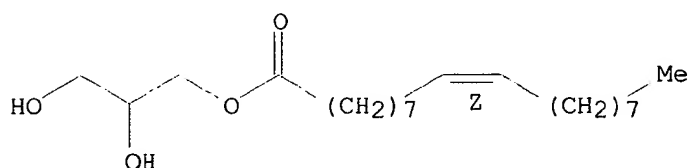
(hair dye compns. contg. fatty acid esters and glycerides)

IT Surfactants

(nonionic; hair dye compns. contg. fatty acid

esters and glycerides)  
 IT Surfactants  
 (zwitterionic; **hair dye** compns. contg. fatty acid  
 esters and glycerides)  
 IT 65-85-0D, Benzoic acid, esters with C6-22 alcs. 108-46-3, Resorcinol,  
 biological studies 110-82-7D, Cyclohexane, derivs. **111-03-5**  
 2359-60-6D, derivs. 9004-82-4, Texapon N-70 9006-27-3 84643-53-8,  
 Dehyquart E-CA  
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
 (Uses)  
 (**hair dye** compns. contg. fatty acid esters and  
 glycerides)  
 IT **111-03-5**  
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
 (Uses)  
 (**hair dye** compns. contg. fatty acid esters and  
 glycerides)  
 RN 111-03-5 HCAPLUS  
 CN 9-Octadecenoic acid (9Z)-, 2,3-dihydroxypropyl ester (9CI) (CA INDEX  
 NAME)

Double bond geometry as shown.



L21 ANSWER 2 OF 6 HCAPLUS COPYRIGHT 2002 ACS  
 AN 1999:48351 HCAPLUS  
 DN 130:172750  
 TI **Hair** preparations containing modified polysaccharides  
 IN Miyajima, Tetsuya; kohama, Tamotsu; Kitsuki, Tomohito  
 PA Kao Corp., Japan  
 SO Jpn. Kokai Tokkyo Koho, 12 pp.  
 CODEN: JKXXAF

DT Patent  
 LA Japanese  
 IC ICM A61K007-13  
 ICS A61K007-06; A61K007-09; A61K007-11  
 CC 62-3 (Essential Oils and Cosmetics)  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 11012139	A2	19990119	JP 1997-168275	19970625

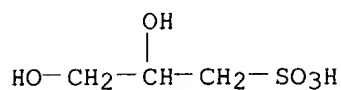
AB **Hair** prepn. which show sufficient viscosity even with high  
 concn. of salts and solvents, comprise (1) oxidants, reducing agents,  
 film-forming polymers, oxidative **dyes**, and/or acidic  
**dyes** and (2) modified polysaccharides. Hydroxyethyl cellulose was  
 treated with stearyl glycidyl ether, followed by 3-chloro-2-  
 hydroxypropanesulfonic acid sodium salt to obtain a modified cellulose  
 ether. A **hair dye** contained the above ether 1, benzyl  
 alc. 3, citric acid 4, NaOH Q.S. to pH 3, ethanol 15, Black 401 0.03,  
 Violet 401 0.04, Orange 205 0.03, and water to 100 %.

ST **hair** prepn polysaccharide alkyl sulfoalkyl ether; cellulose  
 hydroxyethyl sulfopropyl ether prepn **hair dye**

- IT Polysaccharides, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(alkyl sulfoalkyl ethers; hair preps. contg. modified polysaccharides)
- IT Hair dyes  
Hair gels  
Permanent wave preparations  
(hair preps. contg. modified polysaccharides)
- IT 9000-30-0D, Guar gum, alkyl sulfoalkyl ethers 9004-57-3D, Ethyl cellulose, alkyl sulfoalkyl ethers 9004-64-2D, Hydroxypropyl cellulose, alkyl sulfoalkyl ethers 9004-65-3D, Hydroxypropyl methyl cellulose, alkyl sulfoalkyl ethers 9005-25-8D, Starch, alkyl sulfoalkyl ethers 9005-27-0D, Hydroxyethyl starch, alkyl sulfoalkyl ethers 9032-42-2D, Hydroxyethyl methyl cellulose, alkyl sulfoalkyl ethers 9049-76-7D, Hydroxypropyl starch, alkyl sulfoalkyl ethers 9072-56-4D, Ethyl starch, alkyl sulfoalkyl ethers 37189-22-3D, Methyl starch, alkyl sulfoalkyl ethers 39421-75-5D, Hydroxypropyl guar gum, alkyl sulfoalkyl ethers 39465-11-7D, Hydroxyethyl guar gum, sulfoalkyl alkyl ethers 62931-11-7D, Methyl guar gum, alkyl sulfoalkyl ethers 65988-28-5D, Hydroxyethyl methyl starch, alkyl sulfoalkyl ethers 107282-93-9D, Hydroxypropyl methyl guar gum, alkyl sulfoalkyl ethers 110736-08-8D, Ethyl guar gum, alkyl sulfoalkyl ethers 141533-39-3D, Hydroxypropyl methyl starch, alkyl sulfoalkyl ethers 192876-00-9D, Hydroxyethyl methyl guar gum, alkyl sulfoalkyl ethers  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(hair preps. contg. modified polysaccharides)
- IT 220480-29-5P, Hydroxyethyl cellulose 3-stearyloxy 2-hydroxypropyl ether, 3-sulfo 2-hydroxypropyl ether 220480-30-8P, Hydroxyethyl cellulose 3-stearyloxy 2-hydroxypropyl ether, sulfoethyl ether 220480-34-2P, Hydroxyethyl cellulose 3-stearyloxy 2-hydroxypropyl ether, sulfopropyl ether 220482-42-8P, Hydroxyethyl cellulose 2-hydroxy-n-octadecyl ether, 3-sulfo-2-hydroxypropyl ether 220482-43-9P, Hydroxyethyl cellulose n-octadecyl ether, 3-sulfo-2-hydroxypropyl ether 220482-44-0P, Hydroxyethyl cellulose 1-oxo-n-octadecyl ether, 3-sulfo-2-hydroxypropyl ether  
RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(hair preps. contg. modified polysaccharides)
- IT 112-76-5, Stearoyl chloride 126-83-0, Sodium 3-chloro-2-hydroxypropanesulfonate 3039-83-6 3386-33-2, 1-Chlorooctadecane 7390-81-0, 1,2-Epoxyoctadecane 9004-62-0, Hydroxyethyl cellulose 16245-97-9 55788-44-8, Sodium 3-bromopropanesulfonate  
RL: RCT (Reactant)  
(hair preps. contg. modified polysaccharides)
- IT 220480-29-5P, Hydroxyethyl cellulose 3-stearyloxy 2-hydroxypropyl ether, 3-sulfo 2-hydroxypropyl ether 220480-30-8P, Hydroxyethyl cellulose 3-stearyloxy 2-hydroxypropyl ether, sulfoethyl ether 220480-34-2P, Hydroxyethyl cellulose 3-stearyloxy 2-hydroxypropyl ether, sulfopropyl ether  
RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(hair preps. contg. modified polysaccharides)
- RN 220480-29-5 HCAPLUS
- CN Cellulose, 2-hydroxyethyl ether, 2-hydroxy-3-(octadecyloxy)propyl 2-hydroxy-3-sulfopropyl ether (9CI) (CA INDEX NAME)

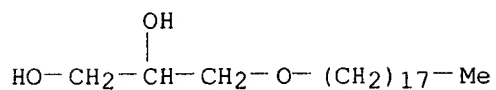
CM 1

CRN 10296-76-1  
CMF C3 H8 O5 S



CM 2

CRN 544-62-7  
CMF C21 H44 O3



CM 3

CRN 9004-62-0  
CMF C2 H6 O2 . x Unspecified  
CDES 8:GD

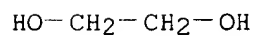
CM 4

CRN 9004-34-6  
CMF Unspecified  
CCI PMS, MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

CM 5

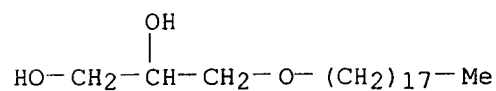
CRN 107-21-1  
CMF C2 H6 O2



RN 220480-30-8 HCAPLUS  
CN Cellulose, 2-hydroxyethyl ether, 2-hydroxy-3-(octadecyloxy)propyl  
2-sulfoethyl ether (9CI) (CA INDEX NAME)

CM 1

CRN 544-62-7  
CMF C21 H44 O3



CM 2

CRN 107-36-8  
CMF C2 H6 O4 S $\text{HO}-\text{CH}_2-\text{CH}_2-\text{SO}_3\text{H}$ 

CM 3

CRN 9004-62-0  
CMF C2 H6 O2 . x Unspecified  
CDES 8:GD

CM 4

CRN 9004-34-6  
CMF Unspecified  
CCI PMS, MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

CM 5

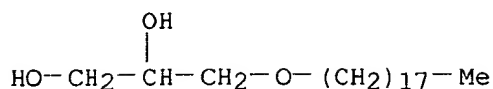
CRN 107-21-1  
CMF C2 H6 O2 $\text{HO}-\text{CH}_2-\text{CH}_2-\text{OH}$ RN 220480-34-2 HCAPLUS  
CN Cellulose, 2-hydroxyethyl ether, 2-hydroxy-3-(octadecyloxy)propyl  
sulfopropyl ether (9CI) (CA INDEX NAME)

CM 1

CRN 170971-81-0  
CMF C3 H8 O4 S  
CCI IDS  
CDES 8:ID $\text{H}_3\text{C}-\text{CH}_2-\text{CH}_2-\text{OH}$ D1-SO<sub>3</sub>H

CM 2

CRN 544-62-7  
CMF C21 H44 O3



CM 3

CRN 9004-62-0

CMF C2 H6 O2 . x Unspecified

CDES 8:GD

CM 4

CRN 9004-34-6

CMF Unspecified

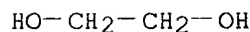
CCI PMS, MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

CM 5

CRN 107-21-1

CMF C2 H6 O2



L21 ANSWER 3 OF 6 HCAPLUS COPYRIGHT 2002 ACS

AN 1995:397344 HCAPLUS

DN 122:169661

TI Cosmetic compositions containing hydrofluorocarbons

IN Bollens, Eric; Mahieu, Claude

PA Oreal S. A., Fr.

SO Fr. Demande, 21 pp.

CODEN: FRXXBL

DT Patent

LA French

IC ICM A61K007-48

ICS A61K007-075; A61K007-02; A61K007-40; A61K007-16

CC 62-3 (Essential Oils and Cosmetics)

Section cross-reference(s): 24

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2705894	A1	19941209	FR 1993-6607	19930602
	FR 2705894	B1	19950804		
OS	MARPAT 122:169661				
AB	Cosmetic compns. contg. hydrofluorocarbons Rf(CH:CH)n(CH2)mXCH2CHYZ (Rf = C4-20 perfluoroalkyl; n = 0-1; m = 1-2; X = O, S, S.fwdarw.O, O:S:O; Y = OH, CH2OH; Z = CH3, CH2OH, CH2OCOCH3, OCOCH3) are claimed. Thus, 2-perfluoroethanethiol was reacted with styrene oxide to obtain 2-(2'-perfluorohexyl-ethylthio)-1-phenylethanol. Cosmetic formulations contg. different hydrofluorocarbons are disclosed.				
ST	cosmetic compn hydrofluorocarbon prepn				
IT	Dentifrices				
	Deodorants				
	Shampoos				



Sunscreens  
 (cosmetic compns. contg. hydrofluorocarbons)

IT Shaving preparations  
 (aftershave, cosmetic compns. contg. hydrofluorocarbons)

IT Cosmetics  
 (creams, cosmetic compns. contg. hydrofluorocarbons)

IT Hair preparations  
 (dyes, cosmetic compns. contg. hydrofluorocarbons)

IT Cosmetics  
 (emulsions, cosmetic compns. contg. hydrofluorocarbons)

IT Cosmetics  
 (eye liners, cosmetic compns. contg. hydrofluorocarbons)

IT Hydrocarbons, biological studies  
 RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL  
 (Biological study); PREP (Preparation); USES (Uses)  
 (fluoro, cosmetic compns. contg. hydrofluorocarbons)

IT Cosmetics  
 (foundations, cosmetic compns. contg. hydrofluorocarbons)

IT Cosmetics  
 (gels, cosmetic compns. contg. hydrofluorocarbons)

IT Cosmetics  
 (lipsticks, cosmetic compns. contg. hydrofluorocarbons)

IT Cosmetics  
 (lotions, cosmetic compns. contg. hydrofluorocarbons)

IT Cosmetics  
 (mascaras, cosmetic compns. contg. hydrofluorocarbons)

IT Cosmetics  
 (nail cleansers, cosmetic compns. contg. hydrofluorocarbons)

IT Sunscreens  
 (sticks, gels, cosmetic compns. contg. hydrofluorocarbons)

IT Hair preparations  
 (wave-setting, cosmetic compns. contg. hydrofluorocarbons)

IT 161369-46-6P 161369-47-7P 161369-49-9P **161369-50-2P**  
 161369-51-3P 161369-52-4P 161369-53-5P 161369-54-6P  
 RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL  
 (Biological study); PREP (Preparation); USES (Uses)  
 (cosmetic compns. contg. hydrofluorocarbons)

IT 64-19-7, Acetic acid, reactions 71-36-3, Butanol, reactions 96-09-3,  
 Styrene oxide 2885-00-9, Octadecanethiol 7664-93-9, Sulfuric acid,  
 reactions 34451-26-8 94805-33-1, Octanethiol **161369-48-8**  
 RL: RCT (Reactant)  
 (cosmetic compns. contg. hydrofluorocarbons)

IT **161369-50-2P**  
 RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL  
 (Biological study); PREP (Preparation); USES (Uses)  
 (cosmetic compns. contg. hydrofluorocarbons)

RN 161369-50-2 HCAPLUS

CN 1-Propanol, 2-butoxy-3-[(4,4,5,5,6,6,7,7,8,8,9,9,9-tridecafluoro-2-nonenyl)oxy]- (9CI) (CA INDEX NAME)

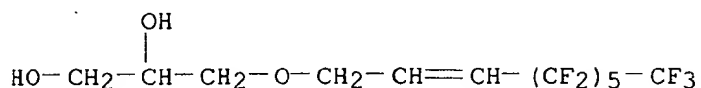
OBu-n

HO-CH<sub>2</sub>-CH-CH<sub>2</sub>-O-CH<sub>2</sub>-CH=CH-(CF<sub>2</sub>)<sub>5</sub>-CF<sub>3</sub>

IT **161369-48-8**  
 RL: RCT (Reactant)  
 (cosmetic compns. contg. hydrofluorocarbons)

RN 161369-48-8 HCAPLUS

CN 1,2-Propanediol, 3-[(4,4,5,5,6,6,7,7,8,8,9,9,9-tridecafluoro-2-nonenyl)oxy]- (9CI) (CA INDEX NAME)



L21 ANSWER 4 OF 6 HCAPLUS COPYRIGHT 2002 ACS

AN 1993:455731 HCAPLUS

DN 119:55731

TI Liquid skin cleanser

IN Nomura, Tadashi; Onitsuka, Satoshi

PA Kao Corp. GmbH, Germany

SO Ger. Offen., 4 pp.

CODEN: GWXXBX

DT Patent

LA German

IC ICM A61K007-50

ICS C11D001-12; C11D003-22

CC 62-4 (Essential Oils and Cosmetics)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 4139935	A1	19930609	DE 1991-4139935	19911204
	DE 4139935	C2	19940224		
	JP 05201853	A2	19930810	JP 1992-305255	19921116
	JP 2857822	B2	19990217		
PRAI	DE 1991-4139935		19911204		

OS MARPAT 119:55731

AB A liq. skin cleanser which foams well, is compatible with the skin, and conditions the skin and **hair** contains 5-35 wt.% anionic surfactant(s), 2.5-15 wt.% alkyl polyglycoside RO(R10)tZx (Z = C5-6 reducing sugar; R = C8-18 alkyl; R1 = Et, Pr; t = 0-10; x = 1-5), and 0.5-15 wt.% C8-18-alkyl monoglyceride. Thus, a bubble bath compn. contained lauryl sulfate triethanolamine salt 15.0, C12-14-alkyl polyglycoside (x = 1.5) 5.0, lauryl monoglyceride 4.5, lauryl ether sulfate Na salt 5.0, coco fatty acid monoethanolamide 1.5, perfume, preservative, **dye**, and water to 100.0 wt.%.

ST alkyl polyglycoside glyceride skin cleanser

IT Glycerides, biological studies

RL: BIOL (Biological study)

(C10-12, skin cleaning compn. contg. anionic surfactant and alkyl polyglycoside and)

IT Glycerides, biological studies

RL: BIOL (Biological study)

(C8-18, skin cleaning compn. contg. anionic surfactant and alkyl polyglycoside and)

IT Sulfonic acids, biological studies

RL: BIOL (Biological study)

(1-alkene, skin cleaning compn. contg. alkyl polyglycoside and monoglyceride and)

IT Glycerides, biological studies

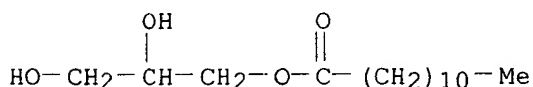
RL: BIOL (Biological study)

(C12-14, skin cleaning compn. contg. anionic surfactant and alkyl polyglycoside and)

IT Glycosides

RL: BIOL (Biological study)

- (alkyl, poly-, skin cleaning compn. contg. anionic surfactant and monoglyceride and)
- IT Surfactants  
(amphoteric, skin cleaning compn. contg. alkyl polyglycoside and monoglyceride and)
- IT Surfactants  
(anionic, skin cleaning compn. contg. alkyl polyglycoside and monoglyceride and)
- IT Amides, biological studies  
RL: BIOL (Biological study)  
(coco, skin cleaning compn. contg.)
- IT Betaines  
RL: BIOL (Biological study)  
(coco amidopropyl, skin cleaning compn. contg.)
- IT Surfactants  
(nonionic, skin cleaning compn. contg. alkyl polyglycoside and monoglyceride and)
- IT Detergents  
(skin cleansers, alkyl polyglycoside and anionic surfactant and monoglyceride in)
- IT Polyoxyalkylenes, compounds  
RL: BIOL (Biological study)  
(sulfo-terminated, salts, skin cleaning compn. contg. alkyl polyglycoside and monoglyceride and)
- IT 139-96-8, Lauryl sulfate triethanolamine salt 141-43-5D,  
Monoethanolamine, coco amides 142-78-9, Lauric acid monoethanolamide  
1643-20-5, Lauryldimethylamine oxide 66988-04-3  
RL: BIOL (Biological study)  
(skin cleaning compn. contg.)
- IT 5138-18-1D, Sulfosuccinic acid, half-esters 9004-82-4 14933-08-5  
58450-52-5  
RL: BIOL (Biological study)  
(skin cleaning compn. contg. alkyl polyglycoside and monoglyceride and)
- IT 142-18-7, Glyceryl monolaurate  
RL: BIOL (Biological study)  
(skin cleaning compn. contg. anionic surfactant and alkyl polyglycoside and)
- IT 142-18-7, Glyceryl monolaurate  
RL: BIOL (Biological study)  
(skin cleaning compn. contg. anionic surfactant and alkyl polyglycoside and)
- RN 142-18-7 HCAPLUS
- CN Dodecanoic acid, 2,3-dihydroxypropyl ester (9CI) (CA INDEX NAME)



L21 ANSWER 5 OF 6 HCAPLUS COPYRIGHT 2002 ACS

AN 1982:148971 HCAPLUS

DN 96:148971

TI Shampoo and/or bubble bath composition containing a surfactant and 1,2-alkane-diol

IN Vanlerberghe, Guy; Sebag, Henri; Fiquet, Claire

PA Oreal S. A. , Fr.

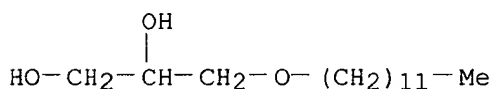
SO U.S., 16 pp. Cont. of U.S. Ser. No. 565,130, abandoned.

CODEN: USXXAM

DT Patent  
 LA English  
 IC C11D001-835; A61K007-06  
 NCL 252542000  
 CC 62-1 (Essential Oils and Cosmetics)  
 FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4294728	A	19811013	US 1979-97492	19791126
PRAI	LU 1971-62616		19710217		
	LU 1971-62617		19710217		
	US 1972-227299		19720217		
	US 1975-565130		19750404		
AB	Foamable compns., esp. shampoos and bubble baths contain a combination of cationic surfactants, such as amines, amine oxides, and their salts, quaternary ammonium and sulfonium derivs., as well as amphoteric and zwitterionic surfactants, and 1 or more C10-14 1,2-alkanediol, which improves the foaming and detergent properties and facilitate untangling of washed hair, and, preferably a nonionic surfactant, a perfume, and a dye. Thus, a shampoo yielding a consistent, stable foam was prepd. from tetradecylammonium bromide [14937-42-9] 6, 1,2-tetradecanediol [21129-09-9] 0.6, H2O to 100 g, and lactic acid to pH 4.				
ST	alkanediol cationic surfactant cosmetic; shampoo alkanediol cationic surfactant; bubble bath alkanediol cationic surfactant				
IT	Quaternary ammonium compounds, biological studies RL: BIOL (Biological study) ((2-hydroxyethyl)dimethyltolylalkyl, chlorides, bubble baths and shampoos contg. 1,2-alkanediols and, foaming properties of)				
IT	Betaines RL: BIOL (Biological study) ((C12-18 fatty amidoalkyl)dimethyl, bubble baths and shampoos contg. 1,2-alkanediols and, foaming properties of)				
IT	Shampoos (alkanediols and cationic surfactants of, foaming properties in relation to)				
IT	Glycols, biological studies RL: BIOL (Biological study) (bubble baths and shampoos contg. cationic surfactants and, foaming properties in relation to)				
IT	Foams (for bubble baths and shampoos, 1,2-alkanediols and cationic surfactants of)				
IT	Betaines RL: BIOL (Biological study) (C12-14-alkyldimethyl, bubble baths and shampoos contg. 1,2-alkanediols and, foaming properties of)				
IT	Quaternary ammonium compounds, biological studies RL: BIOL (Biological study) (benzyl-C12-16-alkyldimethyl, chlorides, bubble baths and shampoos contg. 1,2-alkanediols and, foaming properties of)				
IT	Bath preparations (bubble, alkanediols and cationic surfactants of, foaming properties in relation to)				
IT	79-09-4D, derivs. RL: BIOL (Biological study) (bubble baths and shampoos contg. 1,2-alkanediols and cationic surfactants and)				
IT	93-23-2	110-91-8D,	N-coco alkyl-N-methylalkyl chlorides	121-54-0	
	123-03-5	1643-20-5	16070-12-5	52870-55-0	62746-45-6 80458-23-7

80458-25-9 80458-27-1 80458-28-2D, fatty acyl derivs. 80461-28-5  
 80558-36-7  
 RL: BIOL (Biological study)  
 (bubble baths and shampoos contg. 1,2-alkanediols and, foaming  
 properties of)  
 IT 57-09-0 3655-00-3 14937-42-9 80458-21-5 80469-12-1  
 RL: BIOL (Biological study)  
 (shampoo contg. 1,2-alkanediol and, foaming properties of)  
 IT 1119-86-4 1119-87-5 1561-07-5 6071-27-8 21129-09-9  
 RL: BIOL (Biological study)  
 (shampoo contg. cationic surfactant and, foaming properties of)  
 IT 1561-07-5  
 RL: BIOL (Biological study)  
 (shampoo contg. cationic surfactant and, foaming properties of)  
 RN 1561-07-5 HCAPLUS  
 CN 1,2-Propanediol, 3-(dodecyloxy)- (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)

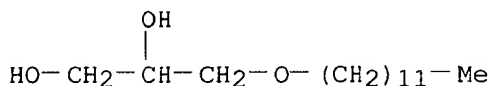


L21 ANSWER 6 OF 6 HCAPLUS COPYRIGHT 2002 ACS  
 AN 1974:16762 HCAPLUS  
 DN 80:16762  
 TI 1,2-Alkanediol-activated foaming cosmetic compositions  
 IN Vanderberghe, Guy; Sebag, Henri; Fiquet, Claire  
 PA Oreal S. A.  
 SO Fr. Demande, 31 pp.  
 CODEN: FRXXBL  
 DT Patent  
 LA French  
 IC C11D; A61K  
 CC 46-4 (Surface Active Agents and Detergents)  
 Section cross-reference(s): 62

FAN.CNT 1

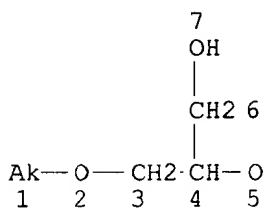
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2125530	A5	19720929	FR 1972-5252	19720216
	FR 2125530	B1	19741213		
AB	Shampoo and bubble bath compns giving foams with stable vol. and water retention were prepd. contg. cationic, amphoteric, or zwitterionic surfactants contg. a pos. charged N atom bonded directly or indirectly to a fatty acid chain and 1,2-alkanediols. Amine, amine oxide, quaternary ammonium, and sulfonium type surfactants were used. A typical stable foam shampoo compn. contained trimethyltetradecylammonium bromide [1119-97-7] 6, 1,2-tetradecanediol [21129-09-9] 0.6, lactic acid sufficient to adjust to pH4, water 100, and perfume 0.2 g.				
ST	amine surfactant shampoo; alkanediol foam stabilizer shampoo; hair dyeing foam stabilizer				
IT	Bath preparations				
	Shampoos				
	(foam stabilizers for, alkanediols as)				
IT	Dyeing				
	(of hair, shampoos for, foam stabilizers for)				
IT	Foams				
	(stabilizers of, of shampoos)				
IT	1119-86-4	1119-87-5	1561-07-5	21129-09-9	

RL: USES (Uses)  
 (foam stabilizers, for shampoos)  
 IT 1561-07-5  
 RL: USES (Uses)  
 (foam stabilizers, for shampoos)  
 RN 1561-07-5 HCAPLUS  
 CN 1,2-Propanediol, 3-(dodecyloxy)- (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)



=&gt; D QUE

L3 STR



NODE ATTRIBUTES:  
 DEFAULT MLEVEL IS ATOM  
 DEFAULT ECLEVEL IS LIMITED  
 ECOUNT IS M8 C AT 1

GRAPH ATTRIBUTES:  
 RING(S) ARE ISOLATED OR EMBEDDED  
 NUMBER OF NODES IS 7

STEREO ATTRIBUTES: NONE

L7 3007 SEA FILE=REGISTRY SSS FUL L3  
 L8 5367 SEA FILE=HCAPLUS ABB=ON L7  
 L9 66 SEA FILE=HCAPLUS ABB=ON L8 AND HAIR  
 L10 29 SEA FILE=HCAPLUS ABB=ON L8 AND KERATIN?  
 L11 82 SEA FILE=HCAPLUS ABB=ON L9 OR L10  
 L12 6 SEA FILE=HCAPLUS ABB=ON L11 AND DYE?  
 L17 42 SEA FILE=HCAPLUS ABB=ON L8(L)(HAIR OR KERATIN?)  
 L20 1 SEA FILE=HCAPLUS ABB=ON L17(L) DYE?  
 L21 6 SEA FILE=HCAPLUS ABB=ON L12 OR L20  
 L22 4691 SEA FILE=HCAPLUS ABB=ON (HAIR OR KERATIN?) (5A) DYE?  
 L23 1756 SEA FILE=HCAPLUS ABB=ON L22 AND COMPOSITION?  
 L25 178 SEA FILE=HCAPLUS ABB=ON L23 AND FATTY? (4A) (ALCOHOL? OR ALC)  
 L26 20 SEA FILE=HCAPLUS ABB=ON L25 AND THICKEN?  
 L27 20 SEA FILE=HCAPLUS ABB=ON L26 NOT L21

=&gt; D L27 ALL 1-20

L27 ANSWER 1 OF 20 HCAPLUS COPYRIGHT 2002 ACS  
 AN 2001:864694 HCAPLUS  
 DN 136:10879  
 TI Hair dye compositions containing associative  
 thickeners

*Teft Search*

PA Wella AG, Germany  
SO Ger. Gebrauchsmusterschrift, 31 pp.  
CODEN: GGXXFR  
DT Patent  
LA German  
IC ICM A61K007-13  
CC 62-3 (Essential Oils and Cosmetics)  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	DE 20114179	U1	20011129	DE 2001-20114179	20010828
OS	MARPAT 136:10879				
AB	The invention concerns oxidative and direct <b>hair dye</b> compns. that contain a non-ionic, amphiphilic associative <b>thickener</b> ; a <b>fatty alc.</b> that is liq. at 25.degree.C; and a PEG-150/stearyl/SMDI copolymer. Thus an oxidative dye contained (g): Pure Thix TX-1450 (20% soln.) 0.2000; Aculyn 46 (19% soln.) 0.2850; Eutanol G 5.0000; oleic acid 15.0000; sodium lauryl alc.-diglycolether sulfate (28% soln.) 10.0000; 4-aminophenol 1.3620; 1-naphthol 0.5000; resorcin 0.0136; 2-amino-6-chloro-4-nitrophenol 0.0034; ammonia (25%) 12.0000; EDTA disodium 1.0000; ascorbic acid 1.0000; isopropanol 15.0000; water to 100.0000.				
ST	<b>hair dye</b> associative <b>thickener</b>				
IT	<b>Thickening agents</b> (associative; <b>hair dye</b> compns. contg. associative <b>thickeners</b> )				
IT	<b>Dyes</b> (direct; <b>hair dye</b> compns. contg. associative <b>thickeners</b> )				
IT	<b>Hair preparations</b> ( <b>dyes</b> , oxidative; <b>hair dye</b> compns. contg. associative <b>thickeners</b> )				
IT	<b>Hair preparations</b> ( <b>dyes</b> ; <b>hair dye</b> compns. contg. associative <b>thickeners</b> )				
IT	<b>Alcohols</b> , biological studies RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses) ( <b>fatty</b> ; <b>hair dye</b> compns. contg. associative <b>thickeners</b> )				
IT	Melting point Viscosity ( <b>hair dye</b> compns. contg. associative <b>thickeners</b> )				
IT	90-15-3, 1-Naphthol 108-46-3, Resorcin, biological studies 112-53-8, Lauryl alcohol 123-30-8, 4-Aminophenol 143-28-2, Oleyl alcohol 3088-31-1 5333-42-6, Eutanol G 6358-09-4, Phenol, 2-amino-6-chloro-4-nitro- 17464-88-9, Tetramethoxymethylglycoluril 36653-82-4, Cetylalcohol 233265-18-4, Aculyn 46 331473-11-1, Pure Thix L 373609-46-2, Pure Thix TX 1450 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses) ( <b>hair dye</b> compns. contg. associative <b>thickeners</b> )				
L27	ANSWER 2 OF 20 HCAPLUS COPYRIGHT 2002 ACS				
AN	2001:796234 HCAPLUS				
DN	135:348711				
TI	Oxidative <b>hair dye compositions</b> comprising 1-(4-aminophenyl)-pyrrolidine derivatives and a particular direct dye				

IN Kravtchenko, Sylvain; Lagrange, Alain  
 PA L'Oreal, Fr.  
 SO Eur. Pat. Appl., 100 pp.  
 CODEN: EPXXDW  
 DT Patent  
 LA French  
 IC ICM A61K007-13  
 CC 62-3 (Essential Oils and Cosmetics)  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1149575	A1	20011031	EP 2001-400879	20010405
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	FR 2807650	A1	20011019	FR 2000-4991	20000418
	JP 2001335446	A2	20011204	JP 2001-120414	20010418
PRAI	FR 2000-4991	A	20000418		
OS	MARPAT 135:348711				
AB	Oxidative <b>hair dye</b> compns. comprise 1-(4-aminophenyl)-pyrrolidine and a particular direct dye such as nitrobenzene derivs. or quaternary ammonium derivs. A <b>hair dye</b> contained 1-(4-aminophenyl)-pyrrolidine dihydrochloride 0.235, 2,4-diamino-1-(.beta.-hydroxyethoxy)-benzene dihydrochloride 0.241, Basic Red-51 0.168, excipients and water q.s. 100 g. Equal amt. of the <b>compn.</b> is mixed with 20 vol hydrogen peroxide and applied on the hair for 30 min, the hair is then rinsed, washed with a shampoo, rinsed, and dried.				
ST	oxidative <b>hair dye</b> aminophenylpyrrolidine direct dye				
IT	Bromates RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses) (alkali metal; oxidative <b>hair dye</b> compns. comprising aminophenylpyrrolidine derivs. and particular direct dye)				
IT	<b>Hair preparations</b> (creams; oxidative <b>hair dye</b> compns. comprising aminophenylpyrrolidine derivs. and particular direct dye)				
IT	<b>Dyes</b> (direct; oxidative <b>hair dye</b> compns. comprising aminophenylpyrrolidine derivs. and particular direct dye)				
IT	<b>Hair preparations</b> (dyes, oxidative; oxidative <b>hair dye</b> compns. comprising aminophenylpyrrolidine derivs. and particular direct dye)				
IT	<b>Alcohols</b> , biological studies RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses) (fatty; oxidative <b>hair dye</b> compns. comprising aminophenylpyrrolidine derivs. and particular direct dye)				
IT	<b>Hair preparations</b> (gels; oxidative <b>hair dye</b> compns. comprising aminophenylpyrrolidine derivs. and particular direct dye)				
IT	<b>Phenols</b> , biological studies RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses) (naphthols; oxidative <b>hair dye</b> compns. comprising aminophenylpyrrolidine derivs. and particular direct dye)				
IT	<b>Salts</b> , biological studies RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)				



- (of peroxy acids; oxidative hair dye compns. comprising aminophenylpyrrolidine derivs. and particular direct dye)
- IT Solvents  
(org.; oxidative hair dye compns. comprising aminophenylpyrrolidine derivs. and particular direct dye)
- IT Antioxidants  
Coupling agents  
Opacifiers  
Oxidizing agents  
Preservatives  
Reducing agents  
Sequestering agents  
Sunscreens  
Thickening agents  
(oxidative hair dye compns. comprising aminophenylpyrrolidine derivs. and particular direct dye)
- IT Acids, biological studies  
Alkali metal hydroxides  
Ceramides  
Paraffin oils  
Peroxysulfates  
Polymers, biological studies  
Polysiloxanes, biological studies  
Vitamins  
Waxes  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
(oxidative hair dye compns. comprising aminophenylpyrrolidine derivs. and particular direct dye)
- IT Group IIIA element compounds  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
(perborates; oxidative hair dye compns. comprising aminophenylpyrrolidine derivs. and particular direct dye)
- IT Fats and Glyceridic oils, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
(vegetable; oxidative hair dye compns. comprising aminophenylpyrrolidine derivs. and particular direct dye)
- IT 89-25-8 90-15-3, .alpha.-Naphthol 95-54-5, o-Phenylenediamine, biological studies 95-55-6, o-Aminophenol 95-70-5 95-88-5 99-56-9 99-57-0 106-50-3, 1,4-Benzenediamine, biological studies 108-26-9 108-45-2, 1,3-Benzenediamine, biological studies 108-45-2D, 1,3-Benzenediamine, derivs. 108-46-3, 1,3-Benzenediol, biological studies 119-34-6 121-88-0 123-30-8, p-Aminophenol 124-43-6 533-31-3, Sesamol 570-24-1 591-27-5 591-27-5D, derivs. 603-85-0 608-25-3 610-81-1 2380-86-1, 6-Hydroxyindole 2380-94-1, 4-Hydroxyindole 2784-94-3 2835-95-2 2871-01-4 2973-21-9 4664-16-8, 2,6-Dihydroxy-4-methyl pyridine 4770-37-0, 6-Hydroxyindoline 4926-55-0 5131-58-8 5307-14-2 6358-09-4 6687-56-5 7077-55-6 7267-43-8 7556-37-8 7575-35-1 7687-09-4 7687-11-8 7722-84-1, Hydrogen peroxide, biological studies 9003-99-0, Peroxidase 9055-15-6, Oxidoreductase 10228-03-2 12270-25-6, Basic Red-51 13556-31-5 13586-81-7 16867-03-1, 2-Amino-3-hydroxypyridine 21425-62-7 24455-90-1 24905-87-1 27080-42-8 29705-39-3 30075-29-7 30569-52-9, 3,6-Dimethylpyrazolo[3,2-c]1,2,4-triazole 33229-34-4 38866-11-4 39838-87-4 41338-82-3 41338-83-4 41338-95-8 41338-98-1 41339-00-8 42476-20-0 50610-28-1 50982-74-6 51138-16-0 51473-40-6 51473-50-8 52132-00-0 52132-02-2 52132-03-3 52132-04-4 52132-05-5 52132-06-6 52132-11-3

52132-12-4	52132-13-5	52132-14-6	52132-15-7	52132-16-8
52132-17-9	52132-18-0	52132-19-1	52132-20-4	52132-21-5
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59405-42-4	59405-44-6	59405-54-8	59405-55-9	59405-57-1
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59820-63-2	62163-15-9	63810-68-4	64651-39-4	66095-81-6
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99133-38-7	104226-19-9	104766-44-1	109023-83-8	109220-25-9
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163260-77-3	165672-34-4	167382-76-5	167382-77-6	167382-78-7
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220011-43-8	223577-35-3	223577-36-4	223577-37-5	

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(oxidative hair dye compns. comprising

aminophenylpyrrolidine derivs. and particular direct dye)

IT	223577-38-6	223577-39-7	223577-40-0	223577-41-1	232284-18-3
	251352-40-6	251352-41-7	251352-42-8	251352-43-9	251352-44-0
	251352-45-1	251352-46-2	251352-47-3	251352-48-4	251352-49-5
	251352-50-8	251352-55-3	259545-90-9	370870-49-8	370871-23-1
	370871-25-3	370871-28-6	370871-30-0	370871-33-3	370871-35-5
	370871-37-7	370871-48-0	370872-18-7	370872-71-2	

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(oxidative hair dye compns. comprising

aminophenylpyrrolidine derivs. and particular direct dye)

RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

- (1) Akram, M; US 5067967 A 1991 HCAPLUS
- (2) Anon; PATENT ABSTRACTS OF JAPAN 1999, V1999(11)
- (3) Bittner Andreas Joachim; WO 9801106 A 1998 HCAPLUS
- (4) Fuji Photo Film Co Ltd; JP 11158048 A 1999 HCAPLUS
- (5) Oreal; EP 0920856 A 1999 HCAPLUS
- (6) Oreal; EP 0970687 A 2000 HCAPLUS
- (7) Plue, A; US 3701769 A 1972 HCAPLUS
- (8) Schwarzkopf GmbH Hans; DE 19728336 A 1998 HCAPLUS
- (9) Squibb Bristol Myers Co; EP 0891765 A 1999 HCAPLUS
- (10) Squibb Bristol Myers Co; EP 0962452 A 1999 HCAPLUS
- (11) Yuh-Guo, P; US 5876464 A 1999 HCAPLUS

L27 ANSWER 3 OF 20 HCAPLUS COPYRIGHT 2002 ACS  
 AN 2001:703875 HCAPLUS  
 DN 135:231479  
 TI **Composition** for oxidative dyeing of keratinic  
 fibers comprising two special quaternary polyammonium compounds  
 IN Bebot, Cecile; Rondeau, Christine; Cottard, Francois; Boudy, Francoise  
 PA L'Oreal, Fr.  
 SO Fr. Demande, 42 pp.  
 CODEN: FRXXBL  
 DT Patent  
 LA French  
 IC ICM A61K007-13  
 CC 62-3 (Essential Oils and Cosmetics)  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2803198	A1	20010706	FR 1999-16764	19991230
	EP 1142553	A1	20011010	EP 2000-403474	20001211
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	BR 2000006554	A	20010731	BR 2000-6554	20001228
	CN 1303663	A	20010718	CN 2000-131089	20001229
	US 2002013972	A1	20020207	US 2001-750717	20010102
	JP 2001206826	A2	20010731	JP 2001-252	20010104
PRAI	FR 1999-16764	A	19991230		

OS MARPAT 135:231479

AB Oxidative **hair dye** prepn. contg. a  
 dialkyldiallylammonium cyclohomopolymer and a quaternary ammonium polymer  
 are claimed. An oxidant **compn.** contained **fatty**  
**alc.** 2.3, ethoxylated **fatty alc.** 0.6,  
**fatty amide** 0.9, glycerin 0.5, hydrogen peroxide 7.5, fragrance  
 q.s., and water q.s. 100 g. A **hair dye compn**  
 . contained Nafol 20-22 3, Nafolox 20-22 1.35, ethoxylated stearyl alc. 6,  
 oleic acid 2.6, glycol distearate 2, propylene glycol 5, copra acid  
 monoisopropanolamide 2, Aculyn-44 1.4, crosslinked polyacrylic acid 0.6,  
 cationic polymers 3, Merquat-100 0.4, reducing agent 0.7, sequestering  
 agents 0.2, 1,3-dihydroxybenzene 0.6, 1,4-diaminobenzene 0.5,  
 1-hydroxy-3-aminobenzene 0.1, 1-hydroxy-2-aminobenzene 0.05,  
 1-hydroxy-4-aminobenzene 0.09, 6-hydroxybenzomorpholine 0.017,  
 1-.beta.-hydroxyethyloxy-2,4-diaminobenzene dihydrochloride 0.039,  
 propylene glycol monobutyl ether 2.5, monoethanolamine 1.06, 20.5% ammonia  
 11.1, and water q.s. 100 g. One part of the dye **compn.** is mixed  
 with 1.5 parts of oxidant **compn.** and applied on a 90% white hair  
 for 30 min., the hair is then rinsed with water, washed with shampoo,  
 rinsed and dried to obtain a clear chestnut color.

ST oxidative **hair dye** alkyldiallylammonium  
 cyclohomopolymer; quaternary ammonium polymer oxidative **hair**  
**dye**

IT Bromates

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
 (Uses)

(alkali metal salts; oxidative **hair dye** prepn.  
 comprising dialkyldiallylammonium cyclohomopolymer and quaternary  
 ammonium polymer)

IT Surfactants

(amphoterics; oxidative **hair dye** prepn. comprising  
 dialkyldiallylammonium cyclohomopolymer and quaternary ammonium  
 polymer)

IT Polyelectrolytes

Surfactants

- (anionic; oxidative **hair dye** prepn. comprising dialkyldiallylammonium cyclohomopolymer and quaternary ammonium polymer)
- IT Polyelectrolytes  
Surfactants  
(cationic; oxidative **hair dye** prepn. comprising dialkyldiallylammonium cyclohomopolymer and quaternary ammonium polymer)
- IT **Dyes**  
(direct; oxidative **hair dye** prepn. comprising dialkyldiallylammonium cyclohomopolymer and quaternary ammonium polymer)
- IT **Hair preparations**  
(**dyes**, oxidative; oxidative **hair dye** prepn. comprising dialkyldiallylammonium cyclohomopolymer and quaternary ammonium polymer)
- IT **Alcohols**, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
(**fatty**; oxidative **hair dye** prepn. comprising dialkyldiallylammonium cyclohomopolymer and quaternary ammonium polymer)
- IT Surfactants  
(nonionic; oxidative **hair dye** prepn. comprising dialkyldiallylammonium cyclohomopolymer and quaternary ammonium polymer)
- IT Salts, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
(of peroxy acids; oxidative **hair dye** prepn. comprising dialkyldiallylammonium cyclohomopolymer and quaternary ammonium polymer)
- IT Coupling agents  
Oxidizing agents  
Reducing agents  
Surfactants  
**Thickening agents**  
(oxidative **hair dye** prepn. comprising dialkyldiallylammonium cyclohomopolymer and quaternary ammonium polymer)
- IT Enzymes, biological studies  
Polymers, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
(oxidative **hair dye** prepn. comprising dialkyldiallylammonium cyclohomopolymer and quaternary ammonium polymer)
- IT Quaternary ammonium compounds, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
(polymers; oxidative **hair dye** prepn. comprising dialkyldiallylammonium cyclohomopolymer and quaternary ammonium polymer)
- IT Fats and Glyceridic oils, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
(vegetable; oxidative **hair dye** prepn. comprising dialkyldiallylammonium cyclohomopolymer and quaternary ammonium polymer)
- IT 79-10-7D, Acrylic acid, polymers with dimethyldiallylammonium salts

108-45-2D, 1,3-Benzenediamine, derivs. 110-86-1D, Pyridine, derivs.  
 124-43-6 288-13-1D, Pyrazole, derivs. 289-95-2D, Pyrimidine, derivs.  
 591-27-5D, derivs. 7722-84-1, Hydrogen peroxide, biological studies  
 9000-30-0D, Guar gum, derivs. 9003-99-0, Peroxidase 9004-34-6D,  
 Cellulose, derivs. 9055-15-6, Oxidoreductase 17126-47-5D, Ferrocyanic  
 acid, alkali metal salts 26062-79-3, Merquat-100 39421-75-5,  
 Hydroxypropyl guar 80498-15-3, Laccase

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
 (Uses)

(oxidative hair dye prepn. comprising  
 dialkyldiallylammonium cyclohomopolymer and quaternary ammonium  
 polymer)

L27 ANSWER 4 OF 20 HCAPLUS COPYRIGHT 2002 ACS

AN 2001:703874 HCAPLUS

DN 135:261998

TI **Composition for oxidative dyeing of keratinic**  
 fibers comprising a C20 fatty alcohol and a nonionic  
 oxyalkylene surfactant with HLB greater than 5

IN Cottard, Francois; Rondeau, Christine.

PA L'Oreal, Fr.

SO Fr. Demande, 64 pp.

CODEN: FRXXBL

DT Patent

LA French

IC ICM A61K007-13

CC 62-3 (Essential Oils and Cosmetics)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2803196	A1	20010706	FR 1999-16760	19991230
	EP 1142557	A1	20011010	EP 2000-403473	20001211
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	BR 2000006584	A	20010731	BR 2000-6584	20001226
	CN 1308931	A	20010822	CN 2000-137370	20001229
	US 2002010970	A1	20020131	US 2001-750757	20010102
	JP 2001206829	A2	20010731	JP 2001-250	20010104
PRAI	FR 1999-16760	A	19991230		

OS MARPAT 135:261998

AB The title oxidative hair dye prepn. are claimed. An  
 oxidant compn. contained fatty alc. 2.3,  
 ethoxylated fatty alc. 0.6, fatty amide 0.9,  
 glycerin 0.5, hydrogen peroxide 7.5, fragrance q.s., and water q.s. 100 g.  
 A hair dye compn. contained Nafol 20-22 3,  
 Nafolox 20-22 1.35, ethoxylated stearyl alc. 6, oleic acid 2.6, glycol  
 distearate 2, propylene glycol 5, copra acid monoisopropanolamide 2,  
 Aculyn-44 1.4, crosslinked polyacrylic acid 0.6, cationic polymers 3,  
 Merquat-100 0.4, reducing agent 0.7, sequestering agents 0.2,  
 1,3-dihydroxybenzene 0.6, 1,4-diaminobenzene 0.5, 1-hydroxy-3-aminobenzene  
 0.1, 1-hydroxy-2-aminobenzene 0.05, 1-hydroxy-4-aminobenzene 0.09,  
 6-hydroxybenzomorpholine 0.017, 1-.beta.-hydroxyethyloxy-2,4-  
 diaminobenzene dihydrochloride 0.039, propylene glycol monobutyl ether  
 2.5, monoethanolamine 1.06, 20.5% ammonia 11.1, and water q.s. 100 g. One  
 part of the dye compn. is mixed with 1.5 parts of oxidant  
 compn. and applied on a 90% white hair for 30 min., the hair is  
 then rinsed with water, washed with shampoo, rinsed and dried to obtain a  
 clear chestnut color.

ST oxidative hair dye fatty alc  
 surfactant

*applicants*

- IT Alcohols, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(C18-24; oxidative **hair dye** prepn. comprising  
**fatty alc.** and nonionic oxyalkylene surfactant)
- IT Polyurethanes, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(acrylic; oxidative **hair dye** prepn. comprising  
**fatty alc.** and nonionic oxyalkylene surfactant)
- IT Bromates  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(alkali metal salts; oxidative **hair dye** prepn.  
comprising **fatty alc.** and nonionic oxyalkylene  
surfactant)
- IT Phenols, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(alkyl, ethoxylated; oxidative **hair dye** prepn.  
comprising **fatty alc.** and nonionic oxyalkylene  
surfactant)
- IT Surfactants  
(amphoteric; oxidative **hair dye** prepn. comprising  
**fatty alc.** and nonionic oxyalkylene surfactant)
- IT Polyelectrolytes  
Surfactants  
(anionic; oxidative **hair dye** prepn. comprising  
**fatty alc.** and nonionic oxyalkylene surfactant)
- IT Polyelectrolytes  
Surfactants  
(cationic; oxidative **hair dye** prepn. comprising  
**fatty alc.** and nonionic oxyalkylene surfactant)
- IT Hair preparations  
(**dyes**, oxidative; oxidative **hair dye**  
prepn. comprising **fatty alc.** and nonionic  
oxyalkylene surfactant)
- IT Alcohols, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(**fatty**, ethoxylated; oxidative **hair dye**  
prepn. comprising **fatty alc.** and nonionic  
oxyalkylene surfactant)
- IT Surfactants  
(nonionic; oxidative **hair dye** prepn. comprising  
**fatty alc.** and nonionic oxyalkylene surfactant)
- IT Salts, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(of peroxy acids; oxidative **hair dye** prepn.  
comprising **fatty alc.** and nonionic oxyalkylene  
surfactant)
- IT Coupling agents  
Oxidizing agents  
Reducing agents  
Surfactants  
Thickening agents  
(oxidative **hair dye** prepn. comprising **fatty**  
**alc.** and nonionic oxyalkylene surfactant)
- IT Acrylic polymers, biological studies

Enzymes, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)

(oxidative **hair dye** prepn. comprising **fatty alc.** and nonionic oxyalkylene surfactant)

IT Carboxylic acids, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)

(polycarboxylic; oxidative **hair dye** prepn. comprising **fatty alc.** and nonionic oxyalkylene surfactant)

IT Polyurethanes, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)

(polyether-; oxidative **hair dye** prepn. comprising **fatty alc.** and nonionic oxyalkylene surfactant)

IT Alkenes, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)

(polymers with maleic anhydride and alkyl maleates; oxidative **hair dye** prepn. comprising **fatty alc.** and nonionic oxyalkylene surfactant)

IT Quaternary ammonium compounds, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)

(polymers; oxidative **hair dye** prepn. comprising **fatty alc.** and nonionic oxyalkylene surfactant)

IT Acrylic polymers, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)

(polyurethane-; oxidative **hair dye** prepn. comprising **fatty alc.** and nonionic oxyalkylene surfactant)

IT Fats and Glyceridic oils, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)

(vegetable; oxidative **hair dye** prepn. comprising **fatty alc.** and nonionic oxyalkylene surfactant)

IT 79-10-7D, Acrylic acid, polymers with dimethyldiallylammonium salts

79-10-7D, Acrylic acid, polymers with dimethyldiallylammonium salts  
108-45-2D, 1,3-Benzenediamine, derivs. 110-16-7D, Maleic acid, alkyl  
derivs., polymers with maleic anhydride and olefins 110-86-1D, Pyridine,  
derivs. 124-43-6 288-13-1D, Pyrazole, derivs. 289-95-2D, Pyrimidine,  
derivs. 591-27-5D, derivs. 629-98-1, Erucic alcohol 661-19-8,  
Behenic alcohol 7722-84-1, Hydrogen peroxide, biological studies  
9000-30-0D, Guar gum, derivs. 9003-99-0, Peroxidase 9004-34-6D,  
Cellulose, derivs. 9005-00-9, Ethoxylated stearyl alcohol 9055-15-6,  
Oxidoreductase 17126-47-5D, Ferrocyanic acid, alkali metal salts  
26062-79-3, Merquat-100 39421-75-5, Hydroxypropyl guar 48042-45-1D,  
salts, polymers with acrylic acid 80498-15-3, Laccase  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)

(oxidative **hair dye** prepn. comprising **fatty alc.** and nonionic oxyalkylene surfactant)

L27 ANSWER 5 OF 20 HCAPLUS COPYRIGHT 2002 ACS

AN 2001:703873 HCAPLUS

DN 135:231478

TI **Composition** for oxidation **dyeing** of **keratinic**

fibers, containing a **thickening** polymer comprising at least one

fatty chain and a mono- or polyglycerol **fatty alcohol**

IN Cottard, Francois; Rondeau, Christine

PA L'Oreal, Fr.

SO Fr. Demande, 58 pp.

CODEN: FRXXBL

DT Patent

LA French

IC ICM A61K007-13

CC 62-3 (Essential Oils and Cosmetics)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2803195	A1	20010706	FR 1999-16757	19991230
	EP 1142556	A1	20011010	EP 2000-403471	20001211
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	BR 2000006588	A	20010731	BR 2000-6588	20001222
	CN 1303666	A	20010718	CN 2000-137270	20001229
	US 2001023514	A1	20010927	US 2001-750716	20010102
	JP 2001206828	A2	20010731	JP 2001-249	20010104
PRAI	FR 1999-16757	A	19991230		
OS	MARPAT 135:231478				
AB	<p>The title oxidative <b>hair dye</b> prepn. are claimed. An oxidant <b>compn.</b> contained <b>fatty alc.</b> 2.3, ethoxylated <b>fatty alc.</b> 0.6, <b>fatty amide</b> 0.9, glycerin 0.5, hydrogen peroxide 7.5, fragrance q.s., and water q.s. 100 g. A <b>hair dye compn.</b> contained Nafol 20-22 3, a mixt. of polyglycerol C18-24 alcs. 1.35, cetearyl alc. comprising 2 mol of glycerol 4, cetearyl alc. comprising 6 mol of glycerol 2, oleic acid 2.6, glycol distearate 2, propylene glycol 5, copra acid monoisopropanolamide 2, Aculyn-44 1.4, crosslinked polyacrylic acid 0.6, cationic polymers 3, Merquat-100 0.4, reducing agent 0.7, sequestering agents 0.2, 1,3-dihydroxybenzene 0.6, 1,4-diaminobenzene 0.5, 1-hydroxy-3-aminobenzene 0.1, 1-hydroxy-2-aminobenzene 0.05, 1-hydroxy-4-aminobenzene 0.09, 6-hydroxybenzomorpholine 0.017, 1-.beta.-hydroxyethyloxy-2,4-diaminobenzene dihydrochloride 0.039, propylene glycol monobutyl ether 2.5, monoethanolamine 1.06, 20.5% ammonia 11.1, and water q.s. 100 g. One part of the dye <b>compn.</b> is mixed with 1.5 parts of oxidant <b>compn.</b> and applied on a 90% white hair for 30 min., the hair is then rinsed with water, washed with shampoo, rinsed and dried to obtain a clear chestnut color.</p>				
ST	oxidative <b>hair dye thickening</b> polymer; polyglycerol <b>fatty alc</b> oxidative <b>hair dye</b>				
IT	Alcohols, biological studies				
	RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)				
	(C16-18, polyglycerol derivs.; oxidative <b>hair dye</b> prepn. contg. a <b>thickening</b> polymer comprising at least one fatty chain and a mono- or polyglycerol <b>fatty alc.</b> )				
IT	Alcohols, biological studies				
	RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)				
	(C18-24; oxidative <b>hair dye</b> prepn. contg. a <b>thickening</b> polymer comprising at least one fatty chain and a mono- or polyglycerol <b>fatty alc.</b> )				
IT	Polyurethanes, biological studies				
	RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)				
	(acrylic; oxidative <b>hair dye</b> prepn. contg. a				



- thickening** polymer comprising at least one fatty chain and a mono- or polyglycerol **fatty alc.**)
- IT Bromates  
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
 (Uses)  
 (alkali metal salts; oxidative **hair dye** prepn.  
 contg. a **thickening** polymer comprising at least one fatty  
 chain and a mono- or polyglycerol **fatty alc.**)
- IT Surfactants  
 (amphoteric; oxidative **hair dye** prepn. contg. a  
**thickening** polymer comprising at least one fatty chain and a  
 mono- or polyglycerol **fatty alc.**)
- IT Polyelectrolytes  
 Surfactants  
 (anionic; oxidative **hair dye** prepn. contg. a  
**thickening** polymer comprising at least one fatty chain and a  
 mono- or polyglycerol **fatty alc.**)
- IT Polyelectrolytes  
 Surfactants  
 (cationic; oxidative **hair dye** prepn. contg. a  
**thickening** polymer comprising at least one fatty chain and a  
 mono- or polyglycerol **fatty alc.**)
- IT Hair preparations  
 (**dyes**, oxidative; oxidative **hair dye**  
 prepn. contg. a **thickening** polymer comprising at least one  
 fatty chain and a mono- or polyglycerol **fatty alc.**)
- IT **Alcohols**, biological studies  
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
 (Uses)  
 (**fatty**, polyglycerol derivs.; oxidative **hair**  
**dye** prepn. contg. a **thickening** polymer comprising at  
 least one fatty chain and a mono- or polyglycerol **fatty**  
**alc.**)
- IT Surfactants  
 (nonionic; oxidative **hair dye** prepn. contg. a  
**thickening** polymer comprising at least one fatty chain and a  
 mono- or polyglycerol **fatty alc.**)
- IT Salts, biological studies  
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
 (Uses)  
 (of peroxy acids; oxidative **hair dye** prepn. contg.  
 a **thickening** polymer comprising at least one fatty chain and  
 a mono- or polyglycerol **fatty alc.**)
- IT Coupling agents  
 Oxidizing agents  
 Reducing agents  
 Surfactants  
**Thickening** agents  
 (oxidative **hair dye** prepn. contg. a  
**thickening** polymer comprising at least one fatty chain and a  
 mono- or polyglycerol **fatty alc.**)
- IT Acrylic polymers, biological studies  
 Enzymes, biological studies  
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
 (Uses)  
 (oxidative **hair dye** prepn. contg. a  
**thickening** polymer comprising at least one fatty chain and a  
 mono- or polyglycerol **fatty alc.**)
- IT Polyurethanes, biological studies  
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES

(Uses)

(polyether-; oxidative **hair dye** prepn. contg. a **thickening** polymer comprising at least one fatty chain and a mono- or polyglycerol **fatty alc.**)

IT Alkenes, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)

(polymers with maleic anhydride and alkyl maleates; oxidative **hair dye** prepn. contg. a **thickening** polymer comprising at least one fatty chain and a mono- or polyglycerol **fatty alc.**)

IT Quaternary ammonium compounds, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)

(polymers; oxidative **hair dye** prepn. contg. a **thickening** polymer comprising at least one fatty chain and a mono- or polyglycerol **fatty alc.**)

IT Acrylic polymers, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)

(polyurethane-; oxidative **hair dye** prepn. contg. a **thickening** polymer comprising at least one fatty chain and a mono- or polyglycerol **fatty alc.**)

IT 108-31-6D, Maleic anhydride, polymers with olefins and alkyl maleates  
108-45-2D, 1,3-Benzenediamine, derivs. 110-16-7D, Maleic acid, alkyl  
derivs., polymers with maleic anhydride and olefins 110-86-1D, Pyridine,  
derivs. 124-43-6 288-13-1D, Pyrazole, derivs. 289-95-2D, Pyrimidine,  
derivs. 591-27-5D, derivs. 7722-84-1, Hydrogen peroxide, biological  
studies 9000-30-0D, Guar gum, derivs. 9003-99-0, Peroxidase  
9004-34-6D, Cellulose, derivs. 9055-15-6, Oxidoreductase 17126-47-5D,  
Ferrocyanic acid, alkali metal salts 25618-55-7D, Polyglycerol,  
**fatty alc.** derivs. 26062-79-3, Merquat-100  
39421-75-5, Hydroxypropyl guar 80498-15-3, Laccase  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)

(oxidative **hair dye** prepn. contg. a **thickening** polymer comprising at least one fatty chain and a mono- or polyglycerol **fatty alc.**)

L27 ANSWER 6 OF 20 HCAPLUS COPYRIGHT 2002 ACS

AN 2001:703872 HCAPLUS

DN 135:231477

TI **Compositions** for oxidative **dyeing** of **keratinic**  
fibers comprising a polymer with an alkyl chain and a C20 **fatty**  
**alcohol**

IN Cottard, Francois; Rondeau, Christine

PA L'Oreal, Fr.

SO Fr. Demande, 58 pp.

CODEN: FRXXBL

DT Patent

LA French

IC ICM A61K007-13

CC 62-3 (Essential Oils and Cosmetics)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2803197	A1	20010706	FR 1999-16762	19991230
	EP 1142555	A1	20011010	EP 2000-403470	20001211
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				

BR 2000006551	A	20010731	BR 2000-6551	20001227
CN 1303665	A	20010718	CN 2000-137256	20001229
US 2001023515	A1	20010927	US 2001-750718	20010102
JP 2001220330	A2	20010814	JP 2001-251	20010104
PRAI FR 1999-16762	A	19991230		

OS MARPAT 135:231477

AB The title oxidative hair dye prepn. are claimed. An oxidant compn. contained fatty alc. 2.3, ethoxylated fatty alc. 0.6, fatty amide 0.9, glycerin 0.5, hydrogen peroxide 7.5, fragrance q.s., and water q.s. 100 g. A hair dye compn. contained Nafol 20-22 3, Nafolox 20-22 1.35, ethoxylated stearyl alc. 6, oleic acid 2.6, glycol distearate 2, propylene glycol 5, copra acid monoisopropanolamide 2, Aculyn-44 1.4, crosslinked polyacrylic acid 0.6, cationic polymers 3, Merquat-100 0.4, reducing agent 0.7, sequestering agents 0.2, 1,3-dihydroxybenzene 0.6, 1,4-diaminobenzene 0.5, 1-hydroxy-3-aminobenzene 0.1, 1-hydroxy-2-aminobenzene 0.05, 1-hydroxy-4-aminobenzene 0.09, 6-hydroxybenzomorpholine 0.017, 1-.beta.-hydroxyethyloxy-2,4-diaminobenzene dihydrochloride 0.039, propylene glycol monobutyl ether 2.5, monoethanolamine 1.06, 20.5% ammonia 11.1, and water q.s. 100 g. One part of the dye compn. is mixed with 1.5 parts of oxidant compn. and applied on a 90% white hair for 30 min., the hair is then rinsed with water, washed with shampoo, rinsed and dried to obtain a clear chestnut color.

ST oxidative hair dye polymer fatty alc

IT Alcohols, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(C18-24; oxidative hair dye prepn. comprising polymer with alkyl chain and fatty alc.)

IT Polyurethanes, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(acrylic; oxidative hair dye prepn. comprising polymer with alkyl chain and fatty alc.)

IT Bromates

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(alkali metal salts; oxidative hair dye prepn. comprising polymer with alkyl chain and fatty alc.)

IT Phenols, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(alkyl, ethoxylated; oxidative hair dye prepn. comprising polymer with alkyl chain and fatty alc.)

IT Surfactants

(amphoteric; oxidative hair dye prepn. comprising polymer with alkyl chain and fatty alc.)

IT Polyelectrolytes

Surfactants

(anionic; oxidative hair dye prepn. comprising polymer with alkyl chain and fatty alc.)

IT Polyelectrolytes

Surfactants

(cationic; oxidative hair dye prepn. comprising polymer with alkyl chain and fatty alc.)

IT Hair preparations

(dyes, oxidative; oxidative hair dye prepn. comprising polymer with alkyl chain and fatty alc.)

- IT **Alcohols**, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(**fatty**, ethoxylated; oxidative **hair dye**  
prepn. comprising polymer with alkyl chain and **fatty**  
**alc.**)
- IT Surfactants  
(nonionic; oxidative **hair dye** prepn. comprising  
polymer with alkyl chain and **fatty alc.**)
- IT Salts, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(of peroxy acids; oxidative **hair dye** prepn.  
comprising polymer with alkyl chain and **fatty alc.**)
- IT Coupling agents  
Oxidizing agents  
Reducing agents  
Surfactants  
**Thickening agents**  
(oxidative **hair dye** prepn. comprising polymer with  
alkyl chain and **fatty alc.**)
- IT Acrylic polymers, biological studies  
Enzymes, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(oxidative **hair dye** prepn. comprising polymer with  
alkyl chain and **fatty alc.**)
- IT Carboxylic acids, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(polycarboxylic; oxidative **hair dye** prepn.  
comprising polymer with alkyl chain and **fatty alc.**)
- IT Polyurethanes, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(polyether-; oxidative **hair dye** prepn. comprising  
polymer with alkyl chain and **fatty alc.**)
- IT Alkenes, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(polymers with maleic anhydride and alkyl maleates; oxidative  
**hair dye** prepn. comprising polymer with alkyl chain  
and **fatty alc.**)
- IT Quaternary ammonium compounds, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(polymers; oxidative **hair dye** prepn. comprising  
polymer with alkyl chain and **fatty alc.**)
- IT Acrylic polymers, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(polyurethane-; oxidative **hair dye** prepn.  
comprising polymer with alkyl chain and **fatty alc.**)
- IT Fats and Glyceridic oils, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(vegetable; oxidative **hair dye** prepn. comprising  
polymer with alkyl chain and **fatty alc.**)
- IT 79-10-7D, Acrylic acid, polymers with dimethyldiallylammonium salts  
108-45-2D, 1,3-Benzenediamine, derivs. 110-16-7D, Maleic acid, alkyl

derivs., polymers with maleic anhydride and olefins 110-86-1D, Pyridine, derivs. 124-43-6 288-13-1D, Pyrazole, derivs. 289-95-2D, Pyrimidine, derivs. 591-27-5D, derivs. 629-98-1, Erucic alcohol 661-19-8, Behenic alcohol 7722-84-1, Hydrogen peroxide, biological studies 9000-30-0D, Guar gum, derivs. 9003-99-0, Peroxidase 9004-34-6D, Cellulose, derivs. 9005-00-9, Ethoxylated stearyl alcohol 9055-15-6, Oxidoreductase 17126-47-5D, Ferrocyanic acid, alkali metal salts 26062-79-3, Merquat-100 39421-75-5, Hydroxypropyl guar 48042-45-1D, salts, polymers with acrylic acid 80498-15-3, Laccase  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(oxidative hair dye prepn. comprising polymer with alkyl chain and fatty alc.)

L27 ANSWER 7 OF 20 HCAPLUS COPYRIGHT 2002 ACS

AN 2001:676562 HCAPLUS

DN 135:246998

TI Oxidation dyeing composition for keratinous fibers comprising substituted paraphenylenediamine derivatives and polymers

IN Lang, Gerard

PA L'Oreal, Fr.

SO PCT Int. Appl., 71 pp.

CODEN: PIXXD2

DT Patent

LA French

IC ICM A61K007-13

CC 62-3 (Essential Oils and Cosmetics)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001066069	A1	20010913	WO 2001-FR645	20010305
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	FR 2805740	A1	20010907	FR 2000-2861	20000306
PRAI	FR 2000-2861	A	20000306		

OS MARPAT 135:246998

AB The invention concerns an oxidn. dyeing compn. for keratinous fibers, and in particular human keratinous fibers such as hair comprising, in a suitable dyeing medium, at least an oxidn. base selected among certain substituted paraphenylenediamine derivs. and their addn. salts with an acid, at least a polymer selected among amphoteric polymers, cationic polymers with specific repeat structural units, or amphiphilic polymers comprising at least a fatty chain, and the dyeing method using said compn. A hair dye compn. contained 1-(4'-amino-3'-methylphenyl)-4-hydroxy-2-methyl-pyrrolidine dihydrochloride 0.837, 2,4-diamino-1-(.beta.-hydroxyethoxy)-benzene 0.723, Miranol A15 1, and water and excipients q.s. 100 g. Equal amt. of the compn. is mixed with 20 vol. hydrogen peroxide and applied on the hair for 30 min, the hair is then rinsed, washed with a shampoo, and rinsed with water and dried to obtain a blue color.

ST oxidative hair dye paraphenylenediamine polymer

IT Hair preparations  
 (dyes, oxidative; oxidative hair dyes  
 comprising substituted paraphenylenediamine derivs. and polymers)

IT Alcohols, biological studies  
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
 (Uses)  
 (fatty; oxidative hair dyes comprising  
 substituted paraphenylenediamine derivs. and polymers)

IT Antioxidants  
 Preservatives  
 Reducing agents  
 Sunscreens  
 Thickening agents  
 (oxidative hair dyes comprising substituted  
 paraphenylenediamine derivs. and polymers)

IT Acids, biological studies  
 Acrylic polymers, biological studies  
 Alkali metal hydroxides  
 Ceramides  
 Cyclosiloxanes  
 Paraffin oils  
 Polysiloxanes, biological studies  
 Vitamins  
 Waxes  
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
 (Uses)  
 (oxidative hair dyes comprising substituted  
 paraphenylenediamine derivs. and polymers)

IT Fats and Glyceridic oils, biological studies  
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
 (Uses)  
 (vegetable; oxidative hair dyes comprising  
 substituted paraphenylenediamine derivs. and polymers)

IT 89-25-8 90-15-3, .alpha. Naphthol 95-70-5 95-88-5 106-50-3,  
 1,4-Benzenediamine, biological studies 108-26-9 108-45-2 108-46-3  
 123-30-8, p-Aminophenol 533-31-3, Sesamol 591-27-5, 3-Aminophenol  
 608-25-3 2380-86-1, 6 hydroxy indole 2380-94-1, 4 hydroxy indole  
 2835-95-2 4664-16-8 4770-37-0 7469-77-4 7556-37-8 7575-35-1  
 55302-96-0 66422-95-5 69151-32-2 70643-19-5 81892-72-0  
 83763-47-7 93841-24-8 143525-61-5 143525-64-8 171662-44-5  
 171662-53-6 200346-04-9 200346-06-1 200346-16-3 204700-85-6  
 227617-43-8 228268-53-9 228268-59-5 228268-69-7 228268-74-4  
 228268-76-6 228268-85-7 228268-87-9 228555-69-9 228555-73-5  
 228555-75-7 228555-77-9 228555-79-1 228555-81-5 228569-19-5  
 228569-22-0 228569-31-1 228569-39-9 228569-43-5 228569-47-9  
 228569-56-0 342013-25-6 359840-68-9 359840-69-0 359840-70-3  
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 359840-96-3 359840-97-4 359840-98-5 359840-99-6 359841-00-2  
 359841-01-3 359841-02-4 359841-03-5 359841-04-6 359841-05-7  
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 359841-31-9 359841-32-0 359841-33-1 359841-34-2 359841-35-3  
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359841-41-1 359841-42-2 359841-43-3 359841-44-4 359841-45-5  
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 359841-51-3 359841-52-4 359841-53-5 359841-54-6 359841-55-7  
 359841-56-8 359841-57-9 359841-58-0 359841-59-1 359841-60-4  
 359841-61-5 359841-62-6 359841-63-7 359841-64-8 359841-65-9  
 359841-66-0 359841-67-1 359841-68-2 359841-69-3 359850-56-9

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
 (Uses)

(oxidative hair dyes comprising substituted  
 paraphenylenediamine derivs. and polymers)

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

- (1) Anon; JP 11158048 A 1999 HCAPLUS
- (2) Anon; PATENT ABSTRACTS OF JAPAN 1999, V1999(11)
- (3) Fuji Photo Film Co Ltd; JP 11158048 A 1999 HCAPLUS
- (4) Henkel Kgaa; DE 19707545 A 1998 HCAPLUS
- (5) Jacquet, B; US 4702906 A 1987 HCAPLUS
- (6) Oreal; FR 2270846 A 1975 HCAPLUS
- (7) Oreal; EP 0673641 A 1995 HCAPLUS
- (8) Schwarzkopf GmbH Hans; DE 19728335 A 1998 HCAPLUS

L27 ANSWER 8 OF 20 HCAPLUS COPYRIGHT 2002 ACS

AN 2001:676561 HCAPLUS

DN 135:246997

TI Oxidation dyeing composition for keratinous  
 fibers with a particular paraphenylenediamine derivative and a particular  
 direct dyeing agent

IN Lang, Gerard

PA L'Oreal, Fr.

SO PCT Int. Appl., 49 pp.

CODEN: PIXXD2

DT Patent

LA French

IC ICM A61K007-13

CC 62-3 (Essential Oils and Cosmetics)

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001066068	A1	20010913	WO 2001-FR644	20010305
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO,, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
FR 2805741	A1	20010907	FR 2000-2862	20000306
PRAI FR 2000-2862	A	20000306		

OS MARPAT 135:246997

AB The invention concerns an oxidn. dyeing compn. for  
 keratinous fibers, and in particular human keratinous fibers such  
 as hair comprising, in a medium suitable for dyeing, at least an oxidn.  
 base selected among certain substituted paraphenylenediamine derivs. and  
 their addn. salts with an acid, and at least a synthetic direct dyeing  
 agent selected among the azo, quinoid, triarylmethane, indoamino, azine  
 dyes and/ or a natural dye. The invention also concerns a dyeing method  
 using said compn. A hair dye compn  
 . contained 1-(4'-amino-3'-methylphenyl)-4-hydroxy-2-methyl-pyrrolidine

dihydrochloride 0.837, 2,4-diamino-1-(.beta.-hydroxyethyloxy)-benzene 0.723, Miranol A15 1, and water and excipients q.s. 100 g. Equal amt. of above compn. is mixed with 20 vol. hydrogen peroxide and applied on the hair for 30 min, the hair is then rinsed, washed with a shampoo, rinsed and dried to obtain a blue color.

ST oxidative hair dye paraphenylenediamine direct dye

IT Bromates

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(alkali metal salts; oxidative hair dyes contg. paraphenylenediamine derivs. direct dyes)

IT Polyelectrolytes

Surfactants

(amphoteric; oxidative hair dyes contg. paraphenylenediamine derivs. direct dyes)

IT Surfactants

(anionic; oxidative hair dyes contg. paraphenylenediamine derivs. direct dyes)

IT Polyelectrolytes

Surfactants

(cationic; oxidative hair dyes contg. paraphenylenediamine derivs. direct dyes)

IT Dyes

(direct; oxidative hair dyes contg. paraphenylenediamine derivs. direct dyes)

IT Hair preparations

(dyes, oxidative; oxidative hair dyes contg. paraphenylenediamine derivs. direct dyes)

IT Alcohols; biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(fatty; oxidative hair dyes contg. paraphenylenediamine derivs. direct dyes)

IT Dyes

(natural; oxidative hair dyes contg. paraphenylenediamine derivs. direct dyes)

IT Surfactants

(nonionic; oxidative hair dyes contg. paraphenylenediamine derivs. direct dyes)

IT Salts, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(of peroxy acids; oxidative hair dyes contg. paraphenylenediamine derivs. direct dyes)

IT Solvents

(org.; oxidative hair dyes contg. paraphenylenediamine derivs. direct dyes)

IT Antioxidants

Azo dyes

Opacifiers

Oxidizing agents

Preservatives

Thickening agents

(oxidative hair dyes contg. paraphenylenediamine derivs. direct dyes)

IT Acids, biological studies

Alkali metal hydroxides

Ceramides

Cyclosiloxanes



Enzymes, biological studies

Paraffin oils

Peroxyulfates

Polysiloxanes, biological studies

Vitamins

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(oxidative hair dyes contg. paraphenylenediamine derivs. direct dyes)

IT Fats and Glyceridic oils, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(vegetable; oxidative hair dyes contg. paraphenylenediamine derivs. direct dyes)

IT 359841-61-5

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(edioxidative hair dyes contg. paraphenylenediamine derivs. direct dyes)

IT 72-48-0, Alizarine 81-48-1, solvent violet 13 81-54-9, Purpurin  
 82-33-7 83-72-7, Lawsone 85-23-4, Spinulosin 89-25-8 90-15-3,  
 .alpha. Naphthol 91-56-5, Isatin 92-31-9, basic blue 17 95-54-5  
 95-55-6 95-70-5 95-88-5 106-50-3 108-26-9 108-45-2 108-45-2D,  
 1,3-Benzenediamine, derivs. 108-46-3 110-86-1D, Pyridine, derivs.  
 116-85-8, disperse red 15 123-30-8 124-43-6 128-95-0, disperse  
 violet 1 139-85-5 289-95-2D, Pyrimidine, derivs. 458-37-7, Curcumine  
 477-73-6, basic red 2 481-39-0, Juglone 533-31-3, Sesamol 533-31-3D,  
 Sesamol, derivs. 548-62-9, basic violet 3 569-77-7, Purpurogallin  
 587-98-4, acid yellow 36 591-27-5, 3-Aminophenol 608-25-3 632-99-5,  
 basic violet 14 633-03-4, basic green 1 633-96-5, acid orange 7  
 1151-98-0, Apigenidin 1220-94-6, disperse violet 4 1260-17-9, Carminic  
 acid 1320-07-6, acid orange 24 1694-09-3, acid violet 49 1934-21-0,  
 acid yellow 23 2380-86-1, 1H-Indol-6-ol 2380-94-1, 1H-Indol-4-ol  
 2390-60-5, basic blue 7 2475-45-8, disperse blue 1 2475-46-9, disperse  
 blue 3 2580-56-5, basic blue 26 2650-18-2, acid blue 9 2706-28-7,  
 acid yellow 9 2835-95-2, 2-Methyl-5-aminophenol 2872-48-2, disperse  
 red 11 3179-90-6, disperse blue 7 3486-30-4, acid blue 7 3567-66-6,  
 acid red 33 4368-56-3, acid blue 62 4430-18-6, acid violet 43  
 4664-16-8 4770-37-0 5735-53-5D, Benzomorpholine, derivs. 6441-93-6  
 7469-77-4 7556-37-8 7575-35-1 7722-84-1, Hydrogen peroxide,  
 biological studies 9003-99-0, Peroxidase 9055-15-6, Oxidoreductase  
 12217-41-3, basic blue 22 12221-52-2, basic red 22 13556-29-1  
 18499-92-8, Kermesic acid 20721-50-0, disperse black 9 22036-97-1  
 22366-99-0 23946-41-0 26381-41-9, basic brown 16 36118-45-3D,  
 Pyrazoline, derivs. 47569-30-2 52136-23-9 52136-25-1 55302-96-0  
 66422-95-5 68123-13-7, basic blue 99 68391-30-0, basic red 76  
 68391-31-1, basic yellow 57 68651-46-7, Indigo (dye)  
 69151-32-2 70643-19-5 80498-15-3, Laccase 83763-47-7 93841-24-8  
 99788-75-7 143525-61-5 143525-64-8 154442-49-6 171662-44-5  
 171662-53-6 176742-32-8, basic brown 17 200346-04-9 200346-06-1  
 200346-16-3 204700-85-6 227617-43-8 228268-53-9 228268-59-5  
 228268-69-7 228268-74-4 228268-76-6 228268-85-7 228268-87-9  
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359841-04-6	359841-05-7	359841-06-8	359841-07-9	359841-08-0
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359841-24-0	359841-25-1	359841-26-2	359841-27-3	359841-28-4
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359841-39-7	359841-40-0	359841-41-1	359841-42-2	359841-43-3
359841-44-4	359841-45-5	359841-46-6	359841-47-7	359841-48-8
359841-49-9	359841-50-2	359841-51-3	359841-52-4	359841-53-5
359841-54-6	359841-55-7	359841-56-8	359841-57-9	359841-58-0
359841-59-1	359841-60-4	359841-62-6	359841-63-7	359841-64-8
359841-65-9	359841-66-0	359841-67-1	359841-68-2	359841-69-3
359850-56-9	359868-06-7	360069-60-9		

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(oxidative hair dyes contg. paraphenylenediamine  
derivs. direct dyes)

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

- (1) Anon; JP 11158048 A 1999 HCAPLUS
- (2) Anon; PATENT ABSTRACTS OF JAPAN 1999, V1999(11)
- (3) Fuji Photo Film Co Ltd; JP 11158048 A 1999 HCAPLUS
- (4) Henkel Kgaa; DE 19707545 A 1998 HCAPLUS
- (5) Oreal; EP 0673641 A 1995 HCAPLUS
- (6) Schwarzkopf GmbH Hans; DE 19728335 A 1998 HCAPLUS
- (7) Squibb Bristol Myers Co; EP 0962452 A 1999 HCAPLUS

L27 ANSWER 9 OF 20 HCAPLUS COPYRIGHT 2002 ACS

AN 2001:516271 HCAPLUS

DN 135:81801

TI Cosmetic compositions containing a cationic fructan and an agent protecting keratins in skin and hair

IN Dubief, Claude; Restle, Serge

PA L'oreal, Fr.

SO Fr. Demande, 20 pp.

CODEN: FRXXBL

DT Patent

LA French

IC ICM A61K007-06

CC 62-3 (Essential Oils and Cosmetics)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2795951	A1	20010112	FR 1999-8964	19990709
	FR 2795951	B1	20010907		

AB A cosmetic compn. is disclosed which comprises, in a vehicle that is cosmetically acceptable, at least one fructan carrying at least one amino group, and at least one keratin-protecting agent. The compn. is esp. appropriate for use in products for cleansing or conditioning hair or skin.

ST shampoo fructan UV screen skin hair

IT Fatty acids, biological studies

RL: BUU (Biological use, unclassified); PEP (Physical, engineering or chemical process); BIOL (Biological study); PROC (Process); USES (Uses)  
(C18-40; cosmetic compns. contg. a cationic fructan and an agent protecting keratins in skin and hair)

IT Polymers, biological studies

- RL: BUU (Biological use, unclassified); PEP (Physical, engineering or chemical process); BIOL (Biological study); PROC (Process); USES (Uses) (amphoteric; cosmetic compns. contg. a cationic fructan and an agent protecting keratins in skin and hair)
- IT Fats and Glyceridic oils, biological studies  
RL: BUU (Biological use, unclassified); PEP (Physical, engineering or chemical process); BIOL (Biological study); PROC (Process); USES (Uses) (animal; cosmetic compns. contg. a cationic fructan and an agent protecting keratins in skin and hair)
- IT Polyelectrolytes  
(anionic; cosmetic compns. contg. a cationic fructan and an agent protecting keratins in skin and hair)
- IT Sulfones  
RL: BUU (Biological use, unclassified); PEP (Physical, engineering or chemical process); BIOL (Biological study); PROC (Process); USES (Uses) (benzotirazole derivs.; cosmetic compns. contg. a cationic fructan and an agent protecting keratins in skin and hair)
- IT Hair preparations  
(bleaches; cosmetic compns. contg. a cationic fructan and an agent protecting keratins in skin and hair)
- IT Fatty acids, biological studies  
RL: BUU (Biological use, unclassified); PEP (Physical, engineering or chemical process); BIOL (Biological study); PROC (Process); USES (Uses) (branched fatty acids; cosmetic compns. contg. a cationic fructan and an agent protecting keratins in skin and hair)
- IT Polyelectrolytes  
Surfactants  
(cationic; cosmetic compns. contg. a cationic fructan and an agent protecting keratins in skin and hair)
- IT Betaines  
RL: BUU (Biological use, unclassified); PEP (Physical, engineering or chemical process); BIOL (Biological study); PROC (Process); USES (Uses) (coco alkylidimethyl; cosmetic compns. contg. a cationic fructan and an agent protecting keratins in skin and hair)
- IT Amino group  
Antioxidants  
Cosmetics  
Iridescent materials  
Nanoparticles  
Ozocerite  
Perfumes  
Preservatives  
Radical scavengers  
Sequestering agents  
Shampoos  
Sunscreens  
Surfactants  
**Thickening agents**  
(cosmetic compns. contg. a cationic fructan and an agent protecting keratins in skin and hair)
- IT Keratins  
RL: BOC (Biological occurrence); BPR (Biological process); BIOL (Biological study); OCCU (Occurrence); PROC (Process)  
(cosmetic compns. contg. a cationic fructan and an agent protecting keratins in skin and hair)
- IT Ceramides  
RL: BUU (Biological use, unclassified); PEP (Physical, engineering or chemical process); BIOL (Biological study); PROC (Process); USES (Uses) (cosmetic compns. contg. a cationic fructan and an agent protecting keratins in skin and hair)

- IT Oxides (inorganic), biological studies  
RL: BUU (Biological use, unclassified); PEP (Physical, engineering or chemical process); BIOL (Biological study); PROC (Process); USES (Uses) (cosmetic compns. contg. a cationic fructan and an agent protecting keratins in skin and hair)
- IT Paraffin oils  
RL: BUU (Biological use, unclassified); PEP (Physical, engineering or chemical process); BIOL (Biological study); PROC (Process); USES (Uses) (cosmetic compns. contg. a cationic fructan and an agent protecting keratins in skin and hair)
- IT Polysiloxanes, biological studies  
RL: BUU (Biological use, unclassified); PEP (Physical, engineering or chemical process); BIOL (Biological study); PROC (Process); USES (Uses) (cosmetic compns. contg. a cationic fructan and an agent protecting keratins in skin and hair)
- IT Protein hydrolyzates  
RL: BUU (Biological use, unclassified); PEP (Physical, engineering or chemical process); BIOL (Biological study); PROC (Process); USES (Uses) (cosmetic compns. contg. a cationic fructan and an agent protecting keratins in skin and hair)
- IT Proteins, general, biological studies  
RL: BUU (Biological use, unclassified); PEP (Physical, engineering or chemical process); BIOL (Biological study); PROC (Process); USES (Uses) (cosmetic compns. contg. a cationic fructan and an agent protecting keratins in skin and hair)
- IT Vitamins  
RL: BUU (Biological use, unclassified); PEP (Physical, engineering or chemical process); BIOL (Biological study); PROC (Process); USES (Uses) (cosmetic compns. contg. a cationic fructan and an agent protecting keratins in skin and hair)
- IT Hair preparations  
(dyes; cosmetic compns. contg. a cationic fructan and an agent protecting keratins in skin and hair)
- IT Fatty acids, biological studies  
RL: BUU (Biological use, unclassified); PEP (Physical, engineering or chemical process); BIOL (Biological study); PROC (Process); USES (Uses) (esters; cosmetic compns. contg. a cationic fructan and an agent protecting keratins in skin and hair)
- IT Alcohols, biological studies  
RL: BUU (Biological use, unclassified); PEP (Physical, engineering or chemical process); BIOL (Biological study); PROC (Process); USES (Uses) (fatty; cosmetic compns. contg. a cationic fructan and an agent protecting keratins in skin and hair)
- IT Polymers, biological studies  
RL: BUU (Biological use, unclassified); PEP (Physical, engineering or chemical process); BIOL (Biological study); PROC (Process); USES (Uses) (hydrophilic; cosmetic compns. contg. a cationic fructan and an agent protecting keratins in skin and hair)
- IT Carboxylic acids, biological studies  
RL: BUU (Biological use, unclassified); PEP (Physical, engineering or chemical process); BIOL (Biological study); PROC (Process); USES (Uses) (hydroxy; cosmetic compns. contg. a cationic fructan and an agent protecting keratins in skin and hair)
- IT Hair preparations  
(permanent wave; cosmetic compns. contg. a cationic fructan and an agent protecting keratins in skin and hair)
- IT UV radiation  
(screens; cosmetic compns. contg. a cationic fructan and an agent protecting keratins in skin and hair)
- IT Hair preparations

(straightening agents; cosmetic compns. contg. a cationic fructan and an agent protecting keratins in skin and hair)

IT Fats and Glyceridic oils, biological studies

RL: BUU (Biological use, unclassified); PEP (Physical, engineering or chemical process); BIOL (Biological study); PROC (Process); USES (Uses) (vegetable; cosmetic compns. contg. a cationic fructan and an agent protecting keratins in skin and hair)

IT 69-72-7D, Salicylic acid, derivs. 75-21-8, Ethylene oxide, biological studies 76-22-2D, Camphor, derivs. 95-14-7D, 1H-Benzotriazole, sulfone derivs. 108-46-3D, Resorcinol, dialkylaminotriazine derivs. 118-92-3, Anthranilic acid 118-92-3D, Anthranilic acid, salts 119-61-9D, Benzophenone, derivs. 120-46-7D, Dibenzoylmethane, derivs. 131-57-7, 2-Hydroxy-4-methoxybenzophenone 150-13-0, Paba 271-89-6D, Benzofuran, derivs. 621-82-9D, Cinnamic acid, esters 1973-05-3D, derivs. 3144-16-9D, Camphorsulfonic acid, derivs. 4065-45-6, UVINUL MS40 5466-77-3, 2-Ethylhexyl 4-methoxycinnamate 6197-30-4, Octocrylene 6969-49-9 9004-82-4, Sodium lauryl ether sulfate 9005-80-5, Inulin 9037-90-5D, Fructan, derivs. 12654-97-6D, Triazine, derivs. 27538-35-8, Urocanic acid ethyl ester 36332-93-1, methyl-18 eicosanoic acid 70356-09-1, 4-tert-Butyl 4'-methoxydibenzoylmethane 155633-54-8  
RL: BUU (Biological use, unclassified); PEP (Physical, engineering or chemical process); BIOL (Biological study); PROC (Process); USES (Uses) (cosmetic compns. contg. a cationic fructan and an agent protecting keratins in skin and hair)

L27 ANSWER 10 OF 20 HCAPLUS COPYRIGHT 2002 ACS

AN 2001:434826 HCAPLUS

DN 135:24396

TI Oxidation dye composition for keratinic

fibers containing aminoplast-polyethers as thickening agents

IN Allard, Delphine; Legrand, Frederic

PA L'oreal, Fr.

SO PCT Int. Appl., 59 pp.

CODEN: PIXXD2

DT Patent

LA French

IC ICM A61K007-13

CC 62-3 (Essential Oils and Cosmetics)

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2001041723	A1	20010614	WO 2000-FR3143	20001110
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
FR 2802089	A1	20010615	FR 1999-15483	19991208
PRAI FR 1999-15483	A	19991208		

OS MARPAT 135:24396

AB The invention relates to an oxidn. dye compn. for

keratinic fibers, esp. for human keratinic fibers such as

hair, contg. at least one oxidn. dye and a

thickening polymer with an aminoplast-polyether skeleton, in a

medium which is suitable for dyeing. The invention also relates to the

dyeing method and devices for using the inventive compn. A

hair dye compn. contained ethoxylated fatty alc. 32.5, oleic acid 2, oleic alc. 1.8, fatty amide 4, glycerin 3, a cationic polymer 2, Merquat-280 2, sequestering agents q.s., reducing agents q.s. 20% ammonia 8, p-phenylenediamine 0.324, 2-methyl-4-aminophenol 0.369, Pure Thix HH 0.3, and water q.s. 100%. At the time of use one parts of the hair dye is mixed with 1.5 parts of an oxidant compn. contg. 7.5% hydrogen peroxide and applied on the hair for 30 min. The hair is then rinsed with water, washed with shampoo, rinsed with water and dried to obtain a purple-red color.

ST oxidn hair dye aminoplast polyether thickener

IT Polyethers, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(aminoplast-; oxidn. dye compn. for keratinic fibers contg. aminoplast-polyethers as thickening agents)

IT Surfactants

(amphoteric; oxidn. dye compn. for keratinic fibers contg. aminoplast-polyethers as thickening agents)

IT Polyelectrolytes

Surfactants

(anionic; oxidn. dye compn. for keratinic fibers contg. aminoplast-polyethers as thickening agents)

IT Polyelectrolytes

Surfactants

(cationic; oxidn. dye compn. for keratinic fibers contg. aminoplast-polyethers as thickening agents)

IT Hair preparations

(dyes, oxidative; oxidn. dye compn. for keratinic fibers contg. aminoplast-polyethers as thickening agents)

IT Surfactants

(ionic; oxidn. dye compn. for keratinic fibers contg. aminoplast-polyethers as thickening agents)

IT Salts, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(of peroxy acids; oxidn. dye compn. for keratinic fibers contg. aminoplast-polyethers as thickening agents)

IT Oxidizing agents

Reducing agents

Thickening agents

(oxidn. dye compn. for keratinic fibers contg. aminoplast-polyethers as thickening agents)

IT Enzymes, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(oxidn. dye compn. for keratinic fibers contg. aminoplast-polyethers as thickening agents)

IT Aminoplasts

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(polyether-; oxidn. dye compn. for keratinic fibers contg. aminoplast-polyethers as thickening agents)

IT Quaternary ammonium compounds, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES

(Uses)

(polymers; oxidn. **dye compn.** for keratinic  
fibers contg. aminoplast-polyethers as **thickening agents**)

IT 95-54-5D, o-Phenylenediamine, derivs. 95-55-6D, o-Aminophenol, derivs.  
106-50-3D, p-Phenylenediamine, derivs. 108-45-2D, 1,3-Benzenediamine,  
derivs. 124-43-6 591-27-5D, derivs. 7722-84-1, hydrogen peroxide,  
biological studies 9000-30-0D, Guar, derivs. 9004-34-6D, cellulose,  
derivs. 53694-17-0, Acrylic acid dimethyldiallylammonium chloride  
copolymer 331473-09-7, Pure Thix HH 331473-10-0, Pure thix m  
331473-11-1, Pure thix l

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)

(oxidn. **dye compn.** for keratinic fibers  
contg. aminoplast-polyethers as **thickening agents**)

RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

(1) Bristol-Myers Squibb; EP 0891765 A 1999 HCAPLUS

L27 ANSWER 11 OF 20 HCAPLUS COPYRIGHT 2002 ACS

AN 2001:434821 HCAPLUS

DN 135:24394

TI Direct **dyeing composition** for keratinic  
fibers containing aminoplast-polyethers as **thickening agents**

IN Allard, Delphine; Legrand, Frederic

PA L'oreal, Fr.

SO PCT Int. Appl., 53 pp.

CODEN: PIXXD2

DT Patent

LA French

IC ICM A61K007-06

ICS A61K007-13

CC 62-3 (Essential Oils and Cosmetics)

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001041718	A1	20010614	WO 2000-FR3142	20001110
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
FR 2802090	A1	20010615	FR 1999-15486	19991208
PRAI FR 1999-15486	A	19991208		
AB The invention relates to an oxidn. <b>dye compn.</b> for <b>keratinic fibers</b> , esp. for human keratinic fibers such as <b>hair</b> , contg. at least one oxidn. <b>dye</b> and a <b>thickening polymer</b> with an aminoplast-polyether skeleton, in a medium which is suitable for dyeing. The invention also relates to the dyeing method and devices for using the inventive <b>compn.</b> A <b>hair dye compn.</b> contained ethoxylated <b>fatty alc.</b> 32.5, oleic acid 2, oleic alc. 1.8, <b>fatty amide</b> 4, glycerin 3, a cationic polymer 2, Merquat-280 2, sequestering agents q.s., reducing agents q.s. 20% ammonia 8, p-phenylenediamine 0.324, 2-methyl-4-aminophenol 0.369, Pure Thix HH 0.3, and water q.s. 100%. At the time of use one parts of the <b>hair</b> <b>dye</b> is mixed with 1.5 parts of an oxidant <b>compn.</b> contg.				

7.5% hydrogen peroxide and applied on the hair for 30 min. The hair is then rinsed with water, washed with shampoo, rinsed with water and dried to obtain a purple-red color.

ST oxidn hair dye aminoplast polyether thickener

IT Dyes

(acid; direct dyeing compn. for keratinic  
fibers contg. aminoplast-polyethers as thickening agents)

IT Polyethers, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)

(aminoplast-; direct dyeing compn. for  
keratinic fibers contg. aminoplast-polyethers as  
thickening agents)

IT Surfactants

(amphoteric; direct dyeing compn. for  
keratinic fibers contg. aminoplast-polyethers as  
thickening agents)

IT Polyelectrolytes

Surfactants

(anionic; direct dyeing compn. for  
keratinic fibers contg. aminoplast-polyethers as  
thickening agents)

IT Dyes

Polyelectrolytes

Surfactants

(cationic; direct dyeing compn. for  
keratinic fibers contg. aminoplast-polyethers as  
thickening agents)

IT Anthraquinone dyes

Azo dyes

Oxidizing agents

Reducing agents

Thickening agents

(direct dyeing compn. for keratinic  
fibers contg. aminoplast-polyethers as thickening agents)

IT Enzymes, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)

(direct dyeing compn. for keratinic  
fibers contg. aminoplast-polyethers as thickening agents)

IT Azo dyes

(direct; direct dyeing compn. for keratinic  
fibers contg. aminoplast-polyethers as thickening agents)

IT Hair preparations

(dyes, oxidative; direct dyeing compn.  
for keratinic fibers contg. aminoplast-polyethers as  
thickening agents)

IT Surfactants

(ionic; direct dyeing compn. for keratinic  
fibers contg. aminoplast-polyethers as thickening agents)

IT Salts, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)

(of peroxy acids; direct dyeing compn. for  
keratinic fibers contg. aminoplast-polyethers as  
thickening agents)

IT Aminoplasts

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)

(polyether-; direct dyeing compn. for



keratinic fibers contg. aminoplast-polyethers as thickening agents)

IT Quaternary ammonium compounds, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(polymers; direct dyeing compn. for

keratinic fibers contg. aminoplast-polyethers as thickening agents)

IT 124-43-6 7722-84-1, Hydrogen peroxide, biological studies 9000-30-0D, Guar, derivs. 9004-34-6D, Cellulose, derivs. 53694-17-0, Acrylic acid dimethyldiallylammonium chloride copolymer 331473-09-7, Pure Thix HH 331473-10-0, Pure thix m 331473-11-1, Pure thix l

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(direct dyeing compn. for keratinic

fibers contg. aminoplast-polyethers as thickening agents)

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

(1) Bayer; EP 0057398 A 1982 HCAPLUS

(2) Bristol-Myers Squibb; WO 9936047 A 1999 HCAPLUS

(3) National Starch and Chem Corp; EP 0619111 A 1994 HCAPLUS

L27 ANSWER 12 OF 20 HCAPLUS COPYRIGHT 2002 ACS

AN 2001:265224 HCAPLUS

DN 134:300624

TI Cosmetic composition comprising at least a cationic surfactant, a liquid fatty alcohol and at least a ceramide type compound

IN Yamada, Shinichi; Bone, Eric

PA L'Oreal, Fr.

SO PCT Int. Appl., 25 pp.

CODEN: PIXXD2

DT Patent

LA French

IC ICM A61K007-06

CC 62-4 (Essential Oils and Cosmetics)

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2001024767	A1	20010412	WO 2000-FR2714	20000929
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
JP 2001114629	A2	20010424	JP 1999-287412	19991007
EP 1135095	A1	20010926	EP 2000-966245	20000929
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
PRAI JP 1999-287412	A	19991007		
WO 2000-FR2714	W	20000929		
OS MARPAT 134:300624				
AB	The invention concerns a cosmetic compn. for treating keratinous materials, in particular human hair, comprising at least a cationic surfactant, at least a liq. fatty alc. and at least a ceramide-type compd. and a treatment method using said compn.			

- An after shampoo rinse contained behenyltrimethylammonium chloride 2.4, isostearyl alc. 2, N-oleodihydrosphingosine 0.4, cetylstearyl alc. 0.5, amine-contg. silicone 0.95, perfume, preservatives, and water q.s. 100 g.
- ST cosmetic cationic surfactant **fatty alc** ceramide
- IT Onium compounds  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
(4,5-dihydro-1-methyl-2-nortallow alkyl-1-(2-tallow amidoethyl) imidazolium, Me sulfates; cosmetic **compn.** comprising at least cationic surfactant, liq. **fatty alc.** and at least ceramide type compd.)
- IT Onium compounds  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
(4,5-dihydro-2-(hydrogenated nortallow alkyl)-1-[2-(hydrogenated tallow amido)ethyl]-1-methylimidazolium Me sulfates, Quaternium 83; cosmetic **compn.** comprising at least cationic surfactant, liq. **fatty alc.** and at least ceramide type compd.)
- IT Fatty acids, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
(C16-40; cosmetic **compn.** comprising at least cationic surfactant, liq. **fatty alc.** and at least ceramide type compd.)
- IT Polyelectrolytes  
(amphoteric; cosmetic **compn.** comprising at least cationic surfactant, liq. **fatty alc.** and at least ceramide type compd.)
- IT Polyelectrolytes  
(anionic; cosmetic **compn.** comprising at least cationic surfactant, liq. **fatty alc.** and at least ceramide type compd.)
- IT Hair preparations  
(bleaches; cosmetic **compn.** comprising at least cationic surfactant, liq. **fatty alc.** and at least ceramide type compd.)
- IT Polyelectrolytes  
Surfactants  
(cationic; cosmetic **compn.** comprising at least cationic surfactant, liq. **fatty alc.** and at least ceramide type compd.)
- IT Hair preparations  
(conditioners; cosmetic **compn.** comprising at least cationic surfactant, liq. **fatty alc.** and at least ceramide type compd.)
- IT Hair preparations  
Perfumes  
Preservatives  
Shampoos  
Solvents  
Sunscreens  
Thickening agents  
(cosmetic **compn.** comprising at least cationic surfactant, liq. **fatty alc.** and at least ceramide type compd.)
- IT Ceramides  
Protein hydrolyzates  
Proteins, general, biological studies  
Quaternary ammonium compounds, biological studies  
Vitamins  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES

- (Uses)  
(cosmetic **compn.** comprising at least cationic surfactant,  
liq. **fatty alc.** and at least ceramide type compd.)
- IT Hair preparations  
(**dyes**; cosmetic **compn.** comprising at least cationic  
surfactant, liq. **fatty alc.** and at least ceramide  
type compd.)
- IT Glycols, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(ethers; cosmetic **compn.** comprising at least cationic  
surfactant, liq. **fatty alc.** and at least ceramide  
type compd.)
- IT Alcohols, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(**fatty**; cosmetic **compn.** comprising at least  
cationic surfactant, liq. **fatty alc.** and at least  
ceramide type compd.)
- IT Ethers, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(glycol; cosmetic **compn.** comprising at least cationic  
surfactant, liq. **fatty alc.** and at least ceramide  
type compd.)
- IT Carboxylic acids, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(hydroxy; cosmetic **compn.** comprising at least cationic  
surfactant, liq. **fatty alc.** and at least ceramide  
type compd.)
- IT Hair preparations  
(permanent wave; cosmetic **compn.** comprising at least cationic  
surfactant, liq. **fatty alc.** and at least ceramide  
type compd.)
- IT Alcohols, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(polyhydric; cosmetic **compn.** comprising at least cationic  
surfactant, liq. **fatty alc.** and at least ceramide  
type compd.)
- IT 64-17-5, Alcohol, biological studies 81-13-0, Panthenol 81-13-0D,  
Panthenol, esters with fatty acids 112-53-8, Lauryl alcohol 112-72-1,  
Myristic alcohol 143-28-2, Oleyl alcohol 2304-80-5 3913-02-8, Butyl  
2 octanol 5333-42-6, Octyl 2-dodecanol 5966-29-0 17301-53-0,  
Behenyltrimethylammonium chloride 27458-93-1, Isostearyl alcohol  
34227-66-2 34227-83-3 36311-34-9, Isocetyl alcohol 36332-93-1,  
Methyl 18 eicosanoic acid 87246-72-8 89160-66-7, Isoarachidyl alcohol  
93059-20-2, Isomyristyl alcohol 110483-07-3 147492-65-7 149591-38-8  
168634-28-4 190249-36-6 190274-06-7 190381-46-5  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(cosmetic **compn.** comprising at least cationic surfactant,  
liq. **fatty alc.** and at least ceramide type compd.)
- RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
RE  
(1) DSM; WO 9929293 A 1999 HCAPLUS  
(2) Estee Lauder; EP 0278505 A 1988 HCAPLUS  
(3) L'Oreal; FR 2679770 A 1993 HCAPLUS

L27 ANSWER 13 OF 20 HCAPLUS COPYRIGHT 2002 ACS

AN 2001:10582 HCAPLUS

DN 134:76116

TI Cosmetic compositions containing an amphoteric polymer and an anti-dandruff agent

IN Dubief, Claude; Restle, Serge

PA L'oreal, Fr.

SO Eur. Pat. Appl., 15 pp.

CODEN: EPXXDW

DT Patent

LA French

IC ICM A61K007-06

CC 62-3 (Essential Oils and Cosmetics)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1064916	A1	20010103	EP 2000-401425	20000523
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	FR 2795315	A1	20001229	FR 1999-8173	19990625
	JP 2001031535	A2	20010206	JP 2000-191927	20000626
PRAI	FR 1999-8173	A	19990625		
OS	MARPAT 134:76116				
AB	Cosmetic comps. contg. an amphoteric polymer chosen from acrylic and acrylamide polymer and an anti-dandruff agent chosen from pyridinethione and hydroxypyrrolidone derivs. are disclosed. A shampoo contained sodium lauryl ether sulfate 17, Dehyton AB30 2.5, acrylic acid-methacrylamidopropyl tri-Me ammonium chloride-stearyl methacrylate copolymer 1, sodium cetostearyl sulfate 0.75, copra acid monoisopropanolamide 0.6, Octopirox 0.5, and preservative and water q.s. 100 g.				
ST	cosmetic amphoteric polymer antidandruff agent; shampoo polyacrylate pyridinethione hydroxypyrrolidone deriv				
IT	Fatty acids, biological studies				
	RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)				
	(C16-40; cosmetic comps. contg. amphoteric polymer and anti-dandruff agent)				
IT	Polyelectrolytes				
	(amphoteric; cosmetic comps. contg. amphoteric polymer and anti-dandruff agent)				
IT	Fats and Glyceridic oils, biological studies				
	RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)				
	(animal; cosmetic comps. contg. amphoteric polymer and anti-dandruff agent)				
IT	Polyelectrolytes				
	(anionic; cosmetic comps. contg. amphoteric polymer and anti-dandruff agent)				
IT	Polyelectrolytes				
	Surfactants				
	(cationic; cosmetic comps. contg. amphoteric polymer and anti-dandruff agent)				
IT	Cosmetics				
	(conditioners; cosmetic comps. contg. amphoteric polymer and anti-dandruff agent)				
IT	Cosmetics				
	Ozocerite				
	Perfumes				
	Preservatives				

## Shampoos

**Thickening agents**

(cosmetic compns. contg. amphoteric polymer and anti-dandruff agent)

IT Acrylic polymers, biological studies

Ceramides

Paraffin oils

Protein hydrolyzates

Proteins, general, biological studies

Vitamins

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES

(Uses)

(cosmetic compns. contg. amphoteric polymer and anti-dandruff agent)

IT **Hair preparations**

(dyes; cosmetic compns. contg. amphoteric polymer and anti-dandruff agent)

IT Fatty acids, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES

(Uses)

(esters; cosmetic compns. contg. amphoteric polymer and anti-dandruff agent)

IT **Alcohols**, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES

(Uses)

(fatty; cosmetic compns. contg. amphoteric polymer and anti-dandruff agent)

IT Carboxylic acids, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES

(Uses)

(hydroxy; cosmetic compns. contg. amphoteric polymer and anti-dandruff agent)

IT 69-72-7, Salicylic acid, biological studies 81-13-0, Panthenol 97-59-6

107-11-9, Allylamine 110-17-8, Fumaric acid, biological studies

112-38-9, Undecylenic acid 1306-23-6, Cadmium sulfide, biological

studies 1343-97-1, Selenium sulfate 1397-89-3, Amphotericin b

1400-61-9, NystaTIN 9004-82-4, Sodium laurylether sulfate 12390-74-8

13463-41-7 18897-36-4 22869-75-6 22916-47-8, Miconazole

23593-75-1, Clotrimazole 25142-21-6 27220-47-9, Dehyton AB30

27523-40-6, Isoconazole 30569-24-5 36332-93-1, Methyl 18 eicosanoic

acid 38083-17-9, Climbazole 50650-76-5 50867-85-1 65277-42-1,

Ketoconazole 91161-71-6, Terbinafine 213836-51-2 220222-18-4

314739-06-5

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES

(Uses)

(cosmetic compns. contg. amphoteric polymer and anti-dandruff agent)

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

(1) Calgon Corp; WO 9844012 A 1998 HCAPLUS

(2) Grollier, J; US 4402977 A 1983 HCAPLUS

(3) Kao Corp GmbH; DE 4404493 C 1995 HCAPLUS

L27 ANSWER 14 OF 20 HCAPLUS COPYRIGHT 2002 ACS

AN 2001:10581 HCAPLUS

DN 134:76115

TI Hair and skin cosmetic **compositions** containing an amphoteric polymer and a conditioning agent

IN Dubief, Claude; Restle, Serge

PA L'oreal, Fr.

SO Eur. Pat. Appl., 13 pp.

CODEN: EPXXDW

DT Patent

LA French  
 IC ICM A61K007-06  
 CC 62-3 (Essential Oils and Cosmetics)  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1064915	A1	20010103	EP 2000-401424	20000523
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	FR 2795313	A1	20001229	FR 1999-8169	19990625
	FR 2795313	B1	20011123		
	JP 2001031533	A2	20010206	JP 2000-191924	20000626
PRAI	FR 1999-8169	A	19990625		
AB	Hair and skin cosmetic compns. contg. an amphoteric polymer chosen from acrylic and acrylamide polymer and a conditioning agent chosen from synthetic and vegetable oils are disclosed. A shampoo contained sodium lauryl ether sulfate 15, Dehyton AB30 5, isohexadecane 1.5, acrylic acid-methacrylamidopropyl tri-Me ammonium chloride-stearyl methacrylate copolymer 1, sodium chloride 4, preservative and q.s. 100 g.				
ST	hair skin cosmetic amphoteric polymer conditioner				
IT	Onium compounds				
	RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)				
	(4,5-dihydro-1-methyl-2-nortallow alkyl-1-(2-tallow amidoethyl) imidazolium, Me sulfates; hair and skin cosmetic compns. contg. amphoteric polymer and conditioning agent)				
IT	Fatty acids, biological studies				
	RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)				
	(C16-40; hair and skin cosmetic compns. contg. amphoteric polymer and conditioning agent)				
IT	Fats and Glyceridic oils, biological studies				
	RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)				
	(Japan wax; hair and skin cosmetic compns. contg. amphoteric polymer and conditioning agent)				
IT	Essential oils				
	RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)				
	(Litsea cubeba; hair and skin cosmetic compns. contg. amphoteric polymer and conditioning agent)				
IT	Polyelectrolytes				
	(amphoteric; hair and skin cosmetic compns. contg. amphoteric polymer and conditioning agent)				
IT	Fats and Glyceridic oils, biological studies				
	RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)				
	(animal; hair and skin cosmetic compns. contg. amphoteric polymer and conditioning agent)				
IT	Polyelectrolytes				
	(anionic; hair and skin cosmetic compns. contg. amphoteric polymer and conditioning agent)				
IT	Fats and Glyceridic oils, biological studies				
	RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)				
	(avocado; hair and skin cosmetic compns. contg. amphoteric polymer and conditioning agent)				
IT	Essential oils				
	RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)				

- (bergamot; hair and skin cosmetic compns. contg. amphoteric polymer and conditioning agent)
- IT Essential oils  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(bitter almond; hair and skin cosmetic compns. contg. amphoteric polymer and conditioning agent)
- IT Rice (*Oryza sativa*)  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(bran, waxes; hair and skin cosmetic compns. contg. amphoteric polymer and conditioning agent)
- IT Essential oils  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(caraway; hair and skin cosmetic compns. contg. amphoteric polymer and conditioning agent)
- IT Fats and Glyceridic oils, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(cashew; hair and skin cosmetic compns. contg. amphoteric polymer and conditioning agent)
- IT Polyelectrolytes  
Surfactants  
(cationic; hair and skin cosmetic compns. contg. amphoteric polymer and conditioning agent)
- IT Essential oils  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(cinnamon; hair and skin cosmetic compns. contg. amphoteric polymer and conditioning agent)
- IT Essential oils  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(citrus; hair and skin cosmetic compns. contg. amphoteric polymer and conditioning agent)
- IT Betaines  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(coco alkyldimethyl; hair and skin cosmetic compns. contg. amphoteric polymer and conditioning agent)
- IT Cosmetics  
(conditioners; hair and skin cosmetic compns. contg. amphoteric polymer and conditioning agent)
- IT Hair preparations  
(dyes; hair and skin cosmetic compns. contg. amphoteric polymer and conditioning agent)
- IT Fatty acids, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(esters; hair and skin cosmetic compns. contg. amphoteric polymer and conditioning agent)
- IT Essential oils  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(eucalyptus; hair and skin cosmetic compns. contg. amphoteric polymer and conditioning agent)
- IT Alcohols, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)

- (fatty; hair and skin cosmetic compns. contg. amphoteric polymer and conditioning agent)
- IT Cosmetics  
Ozocerite  
Perfumes  
Preservatives  
Shampoos  
Thickening agents  
(hair and skin cosmetic compns. contg. amphoteric polymer and conditioning agent)
- IT Acrylic polymers, biological studies  
Candelilla wax  
Carnauba wax  
Castor oil  
Ceramides  
Corn oil  
Essential oils  
Jojoba oil  
Palm oil  
Paraffin oils  
Protein hydrolyzates  
Proteins, general, biological studies  
Soybean oil  
Sunflower oil  
Vitamins  
Waxes  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(hair and skin cosmetic compns. contg. amphoteric polymer and conditioning agent)
- IT Fats and Glyceridic oils, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(hazelnut; hair and skin cosmetic compns. contg. amphoteric polymer and conditioning agent)
- IT Carboxylic acids, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(hydroxy; hair and skin cosmetic compns. contg. amphoteric polymer and conditioning agent)
- IT Essential oils  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(nutmeg; hair and skin cosmetic compns. contg. amphoteric polymer and conditioning agent)
- IT Essential oils  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(orange, sweet; hair and skin cosmetic compns. contg. amphoteric polymer and conditioning agent)
- IT Waxes  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(rice bran; hair and skin cosmetic compns. contg. amphoteric polymer and conditioning agent)
- IT Bran  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(rice, waxes; hair and skin cosmetic compns. contg. amphoteric polymer and conditioning agent)



IT Essential oils  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(rosemary; hair and skin cosmetic compns. contg. amphoteric polymer and conditioning agent)

IT Essential oils  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(savory; hair and skin cosmetic compns. contg. amphoteric polymer and conditioning agent)

IT Fats and Glyceridic oils, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(sesame; hair and skin cosmetic compns. contg. amphoteric polymer and conditioning agent)

IT Fats and Glyceridic oils, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(vegetable; hair and skin cosmetic compns. contg. amphoteric polymer and conditioning agent)

IT Essential oils  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(vetiver; hair and skin cosmetic compns. contg. amphoteric polymer and conditioning agent)

IT Fats and Glyceridic oils, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(walnut; hair and skin cosmetic compns. contg. amphoteric polymer and conditioning agent)

IT 81-13-0, Panthenol 106-24-1, Geraniol 2304-80-5 5966-29-0  
9004-82-4, Sodium laurylether sulfate 17301-53-0, Behenyl trimethyl ammonium chloride 34227-66-2 34227-83-3 34354-88-6 36332-93-1, Methyl 18 eicosanoic acid 77752-14-8, Purcellin oil 110483-07-3 147492-65-7 149591-38-8 156511-15-8, TEGOBETAINF50 160065-31-6 190249-36-6 190381-46-5 213836-51-2 245654-94-8 314739-06-5  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(hair and skin cosmetic compns. contg. amphoteric polymer and conditioning agent)

L27 ANSWER 15 OF 20 HCAPLUS COPYRIGHT 2002 ACS

AN 2000:351342 HCAPLUS

DN 133:8865

TI Cosmetic **compositions** containing an anionic alkylpolyglycoside ester surfactant and a water insoluble liquid conditioning agent

IN Cauwet-Martin, Daniele; Restle, Serge

PA L'Oreal, Fr.

SO PCT Int. Appl., 33 pp.

CODEN: PIXXD2

DT Patent

LA French

IC ICM A61K007-50

ICS A61K007-06; A61K007-48

CC 62-3 (Essential Oils and Cosmetics)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000028963	A1	20000525	WO 1999-FR2435	19991011
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU,				

CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL,  
 IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,  
 MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI,  
 SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM,  
 AZ, BY, KG, KZ, MD, RU, TJ, TM  
 RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,  
 DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,  
 CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG  
 FR 2785797 A1 20000519 FR 1998-14215 19981112  
 AU 9960941 A1 20000605 AU 1999-60941 19991011  
 EP 1047401 A1 20001102 EP 1999-947529 19991011  
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
 IE, SI, LT, LV, FI, RO  
 PRAI FR 1998-14215 'A 19981112  
 WO 1999-FR2435 W 19991011  
 AB The invention concerns novel cosmetic compns. comprising in a cosmetically  
 acceptable medium at least an anionic surfactant such as a carboxylic  
 alkylpolyglycoside ester and at least a non-volatile and water insol. liq.  
 conditioning agent at a temp. not more than 30.degree.. A shampoo  
 contained KAG40 (40% alkyl polyglycoside) 5, 30% disodium cocoglucoside  
 citrate 10, avocado oil 0.5, xanthan gum 1, citric acid 6, and water q.s.  
 100 g.  
 ST cosmetic anionic alkylpolyglycoside surfactant conditioning agent  
 IT Fatty acids, biological studies  
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
 (Uses)  
 (C16-40; cosmetic compns. contg. anionic alkylpolyglycoside ester  
 surfactant and water insol. liq. conditioning agent)  
 IT Glycosides  
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
 (Uses)  
 (alkyl polyglycosides; cosmetic compns. contg. anionic  
 alkylpolyglycoside ester surfactant and water insol. liq. conditioning  
 agent)  
 IT Polyelectrolytes  
 Surfactants  
 (amphoteric; cosmetic compns. contg. anionic alkylpolyglycoside ester  
 surfactant and water insol. liq. conditioning agent)  
 IT Fats and Glyceridic oils, biological studies  
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
 (Uses)  
 (animal; cosmetic compns. contg. anionic alkylpolyglycoside ester  
 surfactant and water insol. liq. conditioning agent)  
 IT Polyelectrolytes  
 Surfactants  
 (anionic; cosmetic compns. contg. anionic alkylpolyglycoside ester  
 surfactant and water insol. liq. conditioning agent)  
 IT Polyelectrolytes  
 Surfactants  
 (cationic; cosmetic compns. contg. anionic alkylpolyglycoside ester  
 surfactant and water insol. liq. conditioning agent)  
 IT Cosmetics  
 (conditioners; cosmetic compns. contg. anionic alkylpolyglycoside ester  
 surfactant and water insol. liq. conditioning agent)  
 IT Perfumes  
 Preservatives  
 Shampoos  
 Sunscreens  
 Thickening agents  
 (cosmetic compns. contg. anionic alkylpolyglycoside ester surfactant

- and water insol. liq. conditioning agent)
- IT Ceramides  
Paraffin oils  
Polyolefins  
Polysiloxanes, biological studies  
Protein hydrolyzates  
Proteins, general, biological studies  
Vitamins  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(cosmetic compns. contg. anionic alkylpolyglycoside ester surfactant and water insol. liq. conditioning agent)
- IT Hair preparations  
(dyes; cosmetic compns. contg. anionic alkylpolyglycoside ester surfactant and water insol. liq. conditioning agent)
- IT Carboxylic acids, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(esters; cosmetic compns. contg. anionic alkylpolyglycoside ester surfactant and water insol. liq. conditioning agent)
- IT Alcohols, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(fatty; cosmetic compns. contg. anionic alkylpolyglycoside ester surfactant and water insol. liq. conditioning agent)
- IT Carboxylic acids, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(hydroxy; cosmetic compns. contg. anionic alkylpolyglycoside ester surfactant and water insol. liq. conditioning agent)
- IT Surfactants  
(ionic; cosmetic compns. contg. anionic alkylpolyglycoside ester surfactant and water insol. liq. conditioning agent)
- IT Hair preparations  
(permanent wave; cosmetic compns. contg. anionic alkylpolyglycoside ester surfactant and water insol. liq. conditioning agent)
- IT Fats and Glyceridic oils, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(vegetable; cosmetic compns. contg. anionic alkylpolyglycoside ester surfactant and water insol. liq. conditioning agent)
- IT 81-13-0, Panthenol 110-27-0, Isopropyl myristate 110-36-1, Butyl myristate 123-95-5, Butyl stearate 142-91-6, Isopropyl palmitate 628-97-7, Ethyl palmitate 646-13-9, Isobutyl stearate 2599-01-1, Cetyl myristate 3460-37-5, Hexyl stearate 11138-66-2, Xanthan gum 15763-02-7, Dioctyl malate 22766-83-2, 2-Octyldodecyl myristate 29710-31-4, Cetyl octanoate 29806-73-3, Ethyl-2-hexyl palmitate 34316-64-8, Hexyl laurate 34362-27-1, 2-Hexyldecyl laurate 36332-93-1, Methyl 18-eicosanoic acid 42131-25-9, Isononyl isononanoate 109485-61-2, Arlamol hd 134112-33-7, 2-Octyldecyl palmitate 182761-29-1, KAG40 270258-24-7, Eucarol AGE-EC  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(cosmetic compns. contg. anionic alkylpolyglycoside ester surfactant and water insol. liq. conditioning agent)
- IT 9003-27-4, Polyisobutene 9003-29-6, Polybutene  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(hydrogenated; cosmetic compns. contg. anionic alkylpolyglycoside ester surfactant and water insol. liq. conditioning agent)

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD  
RE

- (1) Agro Industrie Recherches Et Developments; EP 0699472 A 1996 HCAPLUS
- (2) Auschem S P A; EP 0510564 A 1992 HCAPLUS
- (3) Auschem S P A; EP 0510565 A 1992 HCAPLUS
- (4) Beiersdorf Ag; DE 19617019 A 1997 HCAPLUS
- (5) Beiersdorf Ag; EP 0821949 A 1998 HCAPLUS
- (6) L'Oreal; WO 9427574 A 1994 HCAPLUS
- (7) Soc D'Exploitation de Produits Pour Les Industries Chimiques; WO 9308204 A 1993 HCAPLUS

L27 ANSWER 16 OF 20 HCAPLUS COPYRIGHT 2002 ACS

AN 2000:351330 HCAPLUS

DN 132:352510

TI Cosmetic **compositions** containing an anionic alkylpolyglycoside surfactant, and a galactomannan gum

IN Cauwet-Martin, Daniele; Restle, Serge

PA L'Oreal, Fr.

SO PCT Int. Appl., 36 pp.

CODEN: PIXXD2

DT Patent

LA French

IC ICM A61K007-06

ICS A61K007-50

CC 62-3 (Essential Oils and Cosmetics)

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000028949	A1	20000525	WO 1999-FR2433	19991011
W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
FR 2785800	A1	20000519	FR 1998-14218	19981112
AU 9960939	A1	20000605	AU 1999-60939	19991011
EP 1047373	A1	20001102	EP 1999-947527	19991011
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI			

PRAI FR 1998-14218 A 19981112

WO 1999-FR2433 W 19991011

OS MARPAT 132:352510

AB The invention concerns novel cosmetic compns. comprising in a cosmetically acceptable medium at least an anionic surfactant such as a carboxylic alkylpolyglycoside ester and at least a cationic galactomannan gum. A shampoo contained KAG40 (40% alkyl polyglycoside) 10, 30% disodium cocoglucoside citrate 5, silicone 0.5, Jaguar C13S 0.5, copra acid monoisopropanolamide 1.5, ethylene glycol distearate 1, citric acid 7, and water q.s. 100 g.

ST cosmetic anionic alkylpolyglycoside surfactant galactomannan gum

IT Fatty acids, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(C16-40; cosmetic compns. contg. anionic alkylpolyglycoside surfactant, and galactomannan gum)

IT Glycosides

- RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(alkyl polyglycosides; cosmetic compns. contg. anionic  
alkylpolyglycoside surfactant, and galactomannan gum)
- IT Polyelectrolytes  
Surfactants  
(amphoteric; cosmetic compns. contg. anionic alkylpolyglycoside  
surfactant, and galactomannan gum)
- IT Fats and Glyceridic oils, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(animal; cosmetic compns. contg. anionic alkylpolyglycoside surfactant,  
and galactomannan gum)
- IT Polyelectrolytes  
Surfactants  
(anionic; cosmetic compns. contg. anionic alkylpolyglycoside  
surfactant, and galactomannan gum)
- IT Polyelectrolytes  
Surfactants  
(cationic; cosmetic compns. contg. anionic alkylpolyglycoside  
surfactant, and galactomannan gum)
- IT Cosmetics  
(conditioners; cosmetic compns. contg. anionic alkylpolyglycoside  
surfactant, and galactomannan gum)
- IT Perfumes  
Preservatives  
Shampoos  
Sunscreens  
Thickening agents  
(cosmetic compns. contg. anionic alkylpolyglycoside surfactant, and  
galactomannan gum)
- IT Ceramides  
Paraffin oils  
Polyolefins  
Polysiloxanes, biological studies  
Protein hydrolyzates  
Proteins, general, biological studies  
Vitamins  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(cosmetic compns. contg. anionic alkylpolyglycoside surfactant, and  
galactomannan gum)
- IT Hair preparations  
(dyes; cosmetic compns. contg. anionic alkylpolyglycoside  
surfactant, and galactomannan gum)
- IT Carboxylic acids, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(esters; cosmetic compns. contg. anionic alkylpolyglycoside surfactant,  
and galactomannan gum)
- IT Alcohols, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(fatty; cosmetic compns. contg. anionic alkylpolyglycoside  
surfactant, and galactomannan gum)
- IT Carboxylic acids, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(hydroxy; cosmetic compns. contg. anionic alkylpolyglycoside  
surfactant, and galactomannan gum)

IT Surfactants  
(ionic; cosmetic compns. contg. anionic alkylpolyglycoside surfactant, and galactomannan gum)

IT Hair preparations  
(permanent wave; cosmetic compns. contg. anionic alkylpolyglycoside surfactant, and galactomannan gum)

IT Fats and Glyceridic oils, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
(vegetable; cosmetic compns. contg. anionic alkylpolyglycoside surfactant, and galactomannan gum)

IT 81-13-0, Panthenol 110-27-0, Isopropyl myristate 110-36-1, Butyl myristate 123-95-5, Butyl stearate 142-91-6, Isopropyl palmitate 628-97-7, Ethyl palmitate 646-13-9, Isobutyl stearate 2599-01-1, Cetyl myristate 3460-37-5, Hexyl stearate 9000-30-0, Guar gum 11078-30-1, Galactomannan 15763-02-7, Dioctyl malate 22766-83-2, 2-Octyldodecyl myristate 29710-31-4, Cetyl octanoate 29806-73-3, Ethyl-2-hexyl palmitate 34316-64-8, Hexyl laurate 34362-27-1, 2-Hexyldecyl laurate 36332-93-1, Methyl 18-eicosanoic acid 42131-25-9, Isononyl isononanoate 65497-29-2, Jaguar C13S 134112-33-7, 2-Octyldecyl palmitate 182761-29-1, KAG40  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
(cosmetic compns. contg. anionic alkylpolyglycoside surfactant, and galactomannan gum)

IT 9003-27-4, Polyisobutene 9003-29-6, Polybutene  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
(hydrogenated; cosmetic compns. contg. anionic alkylpolyglycoside surfactant, and galactomannan gum)

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD  
RE

- (1) Auschem, S; EP 0510564 A 1992 HCAPLUS
- (2) Auschem, S; EP 0510565 A 1992 HCAPLUS
- (3) Henkel Corporation; WO 9307249 A 1993 HCAPLUS
- (4) Kao Corporation; EP 0337354 A 1989 HCAPLUS
- (5) Kao Soap Co Ltd; DE 2938383 A 1980 HCAPLUS
- (6) L'Oreal; WO 9427575 A 1994 HCAPLUS
- (7) Unilever, P; EP 0502616 A 1992 HCAPLUS

L27 ANSWER 17 OF 20 HCAPLUS COPYRIGHT 2002 ACS

AN 1999:686550 HCAPLUS

DN 131:303230

TI Customization of hair care formulations

IN Rath, Maureen L.; Hlavac, Wallace R.

PA Tiro Industries Incorporated, USA

SO U.S., 13 pp., Cont. of U.S. Ser. No. 969,492.

CODEN: USXXAM

DT Patent

LA English

IC ICM A61K007-075

ICS A61K007-06

NCL 424070110

CC 62-3 (Essential Oils and Cosmetics)

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5972322	A	19991026	US 1999-304246	19990503
	US 5993792	A	19991130	US 1997-969492	19971113
PRAI	US 1997-969492		19971113		

- AB The invention provides a system for prepg. a hair shampoo, conditioner, and styling **compn.**, wherein each system is composed of sep. components that can be combined as desired by the user to provide customized hair care formulations. The systems include a water-thin base **compn.**, a **thickening compn.**, and optional enhancing additives, wherein each **compn.** is sep. packaged. The viscosity of the end-product shampoo, conditioner, or styling **compn.** can be varied, from a thick, pourable liq. to a thicker, pasty material depending on the amt. of **thickener** that is added to the base. An optional styling **compn.** was prepd. by combining the ingredients shown below. The product contained deionized water 75.0, Germaben II 1.0, 20% aq. soln. of Gafquat 755N 8.0, and 50% aq. soln. of PVP/VA W-35 16.0%.
- ST hair formulation **thickener** vitamin additive
- IT Alcohols, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
(C16-18, ethoxylated; customization of hair care formulations)
- IT Skin preparations (pharmaceutical)  
(astringents; customization of hair care formulations)
- IT Hair preparations  
(conditioners; customization of hair care formulations)
- IT Antibacterial agents  
Antioxidants  
**Dyes**  
Hair preparations  
Sequestering agents  
Shampoos  
Solubilizers  
**Thickening agents**  
Viscosity  
(customization of hair care formulations)
- IT Chelates  
Quaternary ammonium compounds, biological studies  
Vitamins  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
(customization of hair care formulations)
- IT Aloe barbadensis  
Basil  
Birch (Betula)  
Cola (plant)  
Cucumber (Cucumis sativus)  
Lavender (Lavandula)  
Marigold  
Matricaria  
Peppermint (Mentha piperita)  
Sunflower  
Witch hazel  
(exts. of; customization of hair care formulations)
- IT Polyoxyalkylenes, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
(fatty ethers; customization of hair care formulations)
- IT **Alcohols**, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
(**fatty**, ethoxylated, C12-18; customization of hair care formulations)
- IT Cosmetics

(moisturizers; customization of hair care formulations)

IT Alcohols, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)

(polyhydric; customization of hair care formulations)

IT 58-95-7, Tocopheryl acetate 67-97-0, Cholecalciferol 79-81-2, Retinyl  
palmitate 112-02-7, Carsoquat CT 429 112-03-8,  
Stearyltrimethylammonium chloride 1812-53-9, Varisoft 432PG 5306-85-4,  
Dimethyl isosorbide 9002-92-0, Laureth-23 9004-99-3D, C16-18- and  
iso-C16-18-alkyl ethers 24938-91-8, Salcare-SC95 26590-05-6, Merquat  
550 35429-19-7, Salcare-SC92 55008-57-6, Gafquat 755N 69364-63-2,  
Isoceteth 20 148093-12-3, Sepigel 305 155076-61-2, Salcare-SC91  
162534-65-8, Celquat SC-240 189767-71-3, Salcare-SC96 190606-03-2,  
Sepigel 501

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)

(customization of hair care formulations)

RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

- (1) Anon; WO 9725963 1997 HCAPLUS
- (2) Casperson; US 5376146 1994 HCAPLUS
- (3) Ciaudelli; US 5084270 1992 HCAPLUS
- (4) Darkwa; US 5077042 1991 HCAPLUS
- (5) Darkwa; US 5293885 1994 HCAPLUS
- (6) Ehrlich; US 4099912 1978
- (7) Ehrlich; US 4365853 1982
- (8) Hagan; US 5108751 1992 HCAPLUS
- (9) Hagan; US 5227503 1993 HCAPLUS
- (10) Lange; US 5132107 1992 HCAPLUS
- (11) McDonough; US 3577528 1971
- (12) Nicoll; US 5196187 1993 HCAPLUS
- (13) Parah; US 5254343 1993 HCAPLUS
- (14) Spiegel; US 5045308 1991 HCAPLUS
- (15) Syed; US 5824295 1998 HCAPLUS

L27 ANSWER 18 OF 20 HCAPLUS COPYRIGHT 2002 ACS

AN 1998:668078 HCAPLUS

DN 129:293673

TI **Hair dye**

IN Hoeffkes, Horst; Buettner, Roswitha

PA Henkel K.-G.a.A., Germany

SO Eur. Pat. Appl., 6 pp.

CODEN: EPXXDW

DT Patent

LA German

IC ICM A61K007-13

CC 62-3 (Essential Oils and Cosmetics)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 868902	A2	19981007	EP 1998-105194	19980323
	EP 868902	A3	20001108		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	DE 19713510	A1	19981008	DE 1997-19713510	19970401
PRAI	DE 1997-19713510	A	19970401		
AB	A hair dye compn. comprises 0.1-15 wt.% fat-sol. or water-labile direct dyes in an oily carrier contg. 2-70 wt.% nonionic emulsifiers, 3-50 wt.% thickeners, and 0-50 wt.% water-sol. polyols. This compn. is suitable for isatin deriv.				



dyes or carbonyl compd. vinylog dyes, esp. as a component of 2-component dye systems where the other component is an aq. prepn. of water-sol. dyes or dye precursors, e.g. arom. or heterocyclic amines or phenols or their salts; the components are packed sep. and mixed immediately prior to use. A 3rd component comprising an oxidizing agent, also packed sep., may be included. Thus, an oily carrier was prepd. contg. Cetiol 868 20.0, paraffin oil 60.0, glycerin monostearate 10.0, and Dehydol LS4 10.0 parts; this carrier 98.12 was combined with allylisatin 1.88 parts. An aq. carrier contained Texapon N28 40.0, Dehyton K 25.0, C12-18 coco fatty alcs. 4.0, hydrogenated tallow fatty alcs. 17.0, Eumulgin B2 1.5, and H2O 12.5 parts; this carrier 50 was combined with 2,4,5,6-tetraaminopyrimidine sulfate 5.2 and H2O 44.8 parts. The oily dye-carrier mixt. and the aq. pyrimidine-carrier mixt. were mixed 1:1 and applied to blond hair for 30 min at 32.degree. to produce an intense auburn color.

ST lipid soluble direct **hair dye**; isatin direct

**hair dye**

IT **Hair dyes**

(direct, lipid-sol.; **hair dye**)

IT Polyhydric **alcohols**

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(esters, with **fatty acids**; **hair dye**)

IT **Thickening agents**

(**hair dye**)

IT Diglycerides

Lipids, biological studies

Monoglycerides

Polyoxyalkylenes, biological studies

Soaps

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(**hair dye**)

IT Emulsifying agents

(nonionic; **hair dye**)

IT Carbonyl compounds (organic), biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(vinylogs; **hair dye**)

IT Fatty acid esters

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(with polyols; **hair dye**)

IT 830-74-0

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(**dye**; **hair dye**)

IT 91-56-5D, Isatin, derivs.

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(**dyes**; **hair dye**)

IT 25322-68-3, PEG

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(**hair dye**)

L27 ANSWER 19 OF 20 HCAPLUS COPYRIGHT 2002 ACS

AN 1995:520581 HCAPLUS

DN 122:248024

TI Hydrogen peroxide preparations for oxidative **hair dyeing** and bleaching

IN Hoeffkes, Horst; Neuhaus, Winifried; Nelles, Karin

PA Henkel K.-G.a.A., Germany

SO Ger. Offen., 8 pp.

CODEN: GWXXBX

DT Patent

LA German

IC ICM A61K007-13

ICS A61K007-135; C08L083-04; C08L033-02; D06P003-08; D06P001-32;  
D06L003-02; B01D019-04; A45D019-00

CC 62-3 (Essential Oils and Cosmetics)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 4333370	A1	19950406	DE 1993-4333370	19930930
	WO 9508978	A1	19950406	WO 1994-EP3118	19940919
	W: PL, US				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	EP 721321	A1	19960717	EP 1994-927624	19940919
	EP 721321	B1	19981111		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, PT, SE				
	AT 173151	E	19981115	AT 1994-927624	19940919
	ES 2124914	T3	19990216	ES 1994-927624	19940919
	PL 176726	B1	19990730	PL 1994-313770	19940919
	US 5651793	A	19970729	US 1996-619679	19960328
PRAI	DE 1993-4333370		19930930		
	WO 1994-EP3118		19940919		
AB	Aq. H2O2 preps. for oxidative hair dyeing and bleaching contain an anionic surfactant foaming agent, a carboxylated polymer thickening agent, and 0.001-0.05 wt.% foaming regulator comprising polysiloxane with a small amt. of finely divided, hydrophobic silicic acid. Thus, a compn. contg. 50% aq. H2O2 12.0, 28% aq. ethoxylated lauryl/myristyl ether Na sulfate 2.0, 25% aq. Et acrylate/methacrylic acid copolymer 15.0, dimethylpolysiloxane contg. 10-20 wt.% hydrophobic silicic acid 0.0067, 1-hydroxyethane-1,1-diphosphonic acid 1.0, ethoxylated hydrogenated castor oil 0.05, and water to 100 wt.% was readily miscible with an oxidative hair dye cream with little foaming on either mixing or rinsing. This compn. was stored at 45.degree. for 6 mo without loss of foam-regulating properties.				
ST	hydrogen peroxide hair dye antifoam; bleach hair hydrogen peroxide antifoam				
IT	Antifoaming agents (hydrogen peroxide preps. for oxidative hair dyeing and bleaching)				
IT	Siloxanes and Silicones, biological studies RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses) (hydrogen peroxide preps. for oxidative hair dyeing and bleaching)				
IT	Surfactants (anionic, hydrogen peroxide preps. for oxidative hair dyeing and bleaching)				
IT	Hair preparations (bleaches, hydrogen peroxide preps. for oxidative hair dyeing and bleaching)				
IT	Polymers, biological studies RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses) (carboxy-contg., hydrogen peroxide preps. for oxidative hair dyeing and bleaching)				

- IT Siloxanes and Silicones, biological studies  
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
 (Uses)  
 (di-Me, hydrogen peroxide prepns. for oxidative **hair dyeing** and bleaching)
- IT Hair preparations  
 (dyes, oxidative, hydrogen peroxide prepns. for oxidative  
**hair dyeing** and bleaching)
- IT Alcohols, biological studies  
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
 (Uses)  
 (fatty, ethers with PEG; hydrogen peroxide prepns. for  
 oxidative **hair dyeing** and bleaching)
- IT Castor oil  
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
 (Uses)  
 (hydrogenated, ethoxylated, hydrogen peroxide prepns. for oxidative  
**hair dyeing** and bleaching)
- IT 7722-84-1, Hydrogen peroxide, biological studies 9016-00-6,  
 Dimethylsiloxane 25212-88-8 25322-68-3D, PEG, ethers with fatty alcs.  
 31900-57-9, Dimethylsilanediol homopolymer  
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
 (Uses)  
 (hydrogen peroxide prepns. for oxidative **hair dyeing**  
 and bleaching)
- IT 1343-98-2, Silicic acid  
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
 (Uses)  
 (hydrophobic; hydrogen peroxide prepns. for oxidative **hair dyeing**  
 and bleaching)

L27 ANSWER 20 OF 20 HCAPLUS COPYRIGHT 2002 ACS

AN 1966:51118 HCAPLUS

DN 64:51118

OREF 64:9506a-c

TI **Hair-dyeing compositions**

IN Aktiebolag, Robert

SO 8 pp.

DT Patent

LA Unavailable

IC A61K

CC 29 (Essential Oils and Cosmetics)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	NL 65005238		19651026	NL	
PRAI	SE		19640425		

GI For diagram(s), see printed CA Issue.

AB To aq. NH4OH soln. of a **hair dye** is added a cation-active compd. of the formula I, where R is a C8-24 alkyl group, x and y each contain 1-50 moles ethylene oxide, and X is an anion such as Cl- or SO4--. I is added alone or in combination with anion-active, other cation-active, nonionic or amphoteric surface-active compds. as well as fats, oils, waxes, **thickening** agents, and optionally an oxidizer for the dye. The **hair dyes** are used as their intermediate oxidn. products and the oxidizer is a soln. of H2O2 or urea peroxide. Suitable combinations of cation-active compds. include an anion-active compd. such as a **fatty alc.** sulfate or a **fatty alc.** ether sulfate, or a nonionic compd. such as an oxyethylenated nonylphenol contg. 4 moles ethylene oxide. A liquid,

weakly foaming hair dyeing compn. is prepd.  
by mixing a soln. comprising 8 g.  $[C_{12}H_{23}N(Me)[(CH_2CH_2O)_2H]_2]Cl^-$ , 88 g.  
aq. hair dye soln., 4 g. 25%  $NH_4OH$  soln. prior to use  
in a 1:1 ratio with 6%  $H_2O_2$ .